11 November 2013

Marian Klein Feldt
Senior Vice President
Greenpoint Landing Developers, LLC
535 Madison Avenue
New York, NY 10022

Re: Waste Characterization Technical Letter Report
Greenpoint Landing – Building G1 and Proposed CSO
Brooklyn, New York
Langan Project No.: 170229002

Dear Marian:

Langan Engineering, Environmental, Survey and Landscape Architecture, D.P.C (Langan) prepared this Waste Characterization Technical Letter Report for Building G1 (Parcel G) and the proposed combined sewer overflow (CSO) and outfall in Parcel F at the Greenpoint Landing development project in Brooklyn, New York on behalf of Greenpoint Landing Developers, LLC (GLD). This letter report documents soil and groundwater sampling activities performed within the proposed footprint of Building G1 and the CSO and the analytical results for excess soil and groundwater that will be generated during construction. The report includes a description of sampling methodology, field observations, and a tabulated summary of laboratory analytical results. The purpose of the waste characterization investigation was to provide sufficient information to help evaluate construction costs related to management and disposal of excess soil and groundwater. The soil and groundwater analytical data presented herein may be used by the soil disposal contractor to obtain off-site receiving facility pre-approvals for the excess soil and groundwater generated during construction.

BACKGROUND

Site Description

Building G1 is located on Parcel G of the Greenpoint Landing development project. Parcel G is vacant and asphalt-paved and encompasses an area of about 85,999 square feet on the upland

part of Block 2472 Lot 100. Parcel G is bound by Commercial Street to the south, Parcel F to the west, Parcel H to the east, and the East River and Newtown Creek to the north. A plan of the Greenpoint Landing development project is presented as Figure 1.

The proposed at-grade building footprint of Building G1 is about 21,850 square feet. The proposed excavation footprint for Building G1 (including the cellar level) is about 26,000 square feet. Current grade within the excavation footprint of Building G1 ranges from about el. 7 to 10 BBHD[1].

The proposed CSO and outfall will be located on Parcel F of the Greenpoint Landing development project. Parcel F is currently vacant and asphalt-paved and encompasses an area of about 73,634 square feet on the upland part of Block 2472 Lot 100. Parcel F is bound by Commercial Street to the south, Newtown Barge Playground to the west, Parcel G to the east, and the East River and Newtown Creek to the north. Current grade within the footprint of the proposed CSO outfall ranges from about el. 6 to 11 BBHD.

Proposed Development

Building G1

The proposed development includes the construction of a 30-story residential tower (with cellar) with market-rate housing units, one level of underground parking, and three levels of aboveground parking. The development will require excavating an approximately 26,000-square-foot area to a depth of about 10 feet below current grade for the construction of the cellar level and foundation components. We estimate about 10,000 cubic yards of subsurface material will be excavated during construction.

Proposed CSO

The proposed development includes relocating a public 24-inch New York City Department of Environmental Protection (NYCDEP) CSO and outfall from Parcel G to Parcel F. The CSO drains the regulating chamber at the intersection of Commercial and Franklin streets. The new CSO will drain the same regulating chamber, but will be rerouted to Parcel F to accommodate the future development. The new CSO will be approximately 500 linear feet of 24-inch reinforced concrete pipe set in a concrete cradle supported by driven timber piles and will discharge to the

[1] All elevations referenced herein are with respect to the Borough of Brooklyn Highway Datum (BBHD), which is 2.56 feet above mean sea level datum at Sandy Hook New Jersey as defined by the United States Geologic Survey (USGS NGVD 1929).

East River through a new precast concrete outfall to be approved and permitted by the New York State Department of Environmental Conservation (NYSDEC). The first approximately 100 feet of the CSO will be installed in the public right-of-way (ROW) on Commercial Street; the remaining approximately 400 feet of the CSO will be installed within Parcel F. The segment of the CSO in the public ROW will be restored to Department of Transportation (DOT) specifications, which requires a 4-inch concrete sidewalk. The segment of the CSO within Parcel F will be backfilled, covered with asphalt pavement, and located beneath a future private driveway. The construction of the relocated CSO and outfall will require excavating an approximately 14,150-square-foot area on private property to a depth of 10 feet below grade with a 1.5 layback slope from the 5-foot wide pipe platform.[2] We estimate about 3,000 cubic yards (CY) of subsurface material will be excavated during construction.

SAMPLING METHODOLOGY

The waste characterization of Buildings G1 and the CSO outfall was performed during the period September 12-14, 2013. Our waste characterization grid system, sampling frequency, and analytical parameter list are conservative and based on the analytical requirements for soil reuse set forth by the NYC OER and typical receiving facility requirements. The design of our sampling program is not intended to meet the specific requirements of all receiving facilities and the soil disposal contractor may be required to perform additional soil sampling and analysis.

Building G1

Parcel G1 was divided into ten approximately 2,700-square-foot waste characterization grids. Waste characterization grids were composed of a shallow and deep cell, each representing approximately 500 CY of subsurface material. The shallow cell extends from the surface to approximately 5 feet below grade surface (bgs) and the deep cell extends approximately 5 to 10 feet bgs.

Proposed CSO

[2] As an alternative, industry standard steel trench boxes may be used to facilitate the construction of the proposed CSO. Assuming a 10-foot steel trench box is used along the full length (500 feet) of the proposed CSO, we estimate about 1,850 cubic yards of subsurface material will be excavated during construction.

The proposed CSO trench was divided into six approximately 2,400-square-foot waste characterization grids. Waste characterization grids were composed of cells extending from the surface to approximately 10 feet below grade surface (bgs) and comprising approximately 500 CY of subsurface material. The cells for the proposed CSO trench assume an excavation cut of 10 feet and a 1.5 layback slope from the 5-foot wide CSO pipe platform. The sampling program characterized the estimated maximum volume of soil and fill material to be excavated during the construction of the CSO.

Soil Investigation

Building G1

Twenty soil borings within the footprint of Building G1 were completed by Aquifer Drilling & Testing, Inc. (ADT) of Mineola, New York under the supervision of Langan field engineers during the period September 12-13, 2013. Two soil borings (denoted "A" and "B") were completed within each waste characterization grid. Soil boring locations are presented in Figure 2.

All soil borings were advanced by a Sonic® Compact Roto Sonic 17C Model drill rig to a depth of approximately 10 feet bgs. Soil samples were collected continuously into 5-foot core barrels and transferred to dedicated, disposable polyethylene bags. The extracted soil was screened for VOCs 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 engineers. Boring logs for completed borings are provided as Attachment A. Investigative-derived waste (IDW) (i.e., drill cuttings) was returned to each borehole. Excess IDW that could not be returned to the borehole because of space constraints or that appeared impacted was containerized in 55-gallon steel drums and stored on-site pending off-site disposal.

A sample set was collected for laboratory analysis from each shallow and deep grid cell. Each sample set comprised one discrete sample and one composite sample. Composite samples were generated by homogenizing, at a minimum, five grab samples collected from the appropriate depth interval (i.e., shallow [0-5 feet bgs] or deep [5-10 feet bgs]) of the two soil cores extracted from each waste characterization grid. Discrete samples for VOC analysis were collected from the 6-inch interval within the appropriate depth interval (i.e., shallow or deep) between the two soil cores exhibiting the highest degree of contamination based on visual and olfactory indicators and PID readings. Discrete samples for VOC analysis were

collected at random if no evidence of contamination was observed. Discrete samples for VOC analysis were collected using 5-gram EnCore™ sampling devices.

Twenty sample sets and one duplicate sample were collected and submitted for laboratory analysis. Two field blank samples (one per sampling day) and ten trip blanks were collected and analyzed for quality assurance/quality control (QA/QC) purposes. Sample nomenclature for grab samples reflects the soil boring number and depth interval from which a sample was collected. Sample nomenclature for composite samples reflects the grid number and cell (i.e., shallow or deep) from which a sample was collected. A summary of all samples collected and submitted for laboratory analysis is provided as Tables 1A and 1B.

Proposed CSO

Twelve soil borings were completed by Aquifer Drilling & Testing, Inc. (ADT) of Mineola, New York under the supervision of Langan field engineers on September 14, 2013. Two soil borings (denoted "A" and "B") were completed within each waste characterization grid. Soil boring locations are presented in Figure 3.

All soil borings were advanced by a Sonic® Compact Roto Sonic 17C Model drill rig to a depth of approximately 10 feet bgs. Soil samples were collected continuously into 5-foot core barrels and transferred to dedicated, disposable polyethylene bags. The extracted soil was screened for VOCs 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 engineers. Boring logs for completed borings are provided as Attachment B. Investigative-derived waste (IDW) (i.e., drill cuttings) was returned to each borehole. Excess IDW that could not be returned to the borehole because of space constraints or that appeared impacted was containerized in 55-gallon steel drums and stored on-site pending off-site disposal.

A sample set was collected for laboratory analysis from each grid cell. Each sample set comprised one grab sample and one composite sample. Composite samples were generated by homogenizing, at a minimum, five grab samples collected from the two soil cores extracted from each waste characterization grid. Discrete samples for VOC analysis were collected from the 6-inch interval between the two soil cores exhibiting the highest degree of contamination based on visual and olfactory indicators and PID readings. Discrete samples for VOC analysis were collected using 5-gram EnCore™ sampling devices.

Six sample sets were collected and submitted for laboratory analysis. Three trip blanks were collected and analyzed for quality assurance/quality control (QA/QC) purposes. Sample nomenclature for grab samples reflects the soil boring number and depth interval from which a sample was collected. Sample nomenclature for composite samples reflects the grid cell number from which a sample was collected. A summary of all samples collected and submitted for laboratory analysis is provided as Tables 2A and 2B.

Laboratory Analytical Program

All samples were containerized in laboratory-supplied glassware and submitted to a New York State Department of Health (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. Grab soil samples were analyzed for VOCs only by United States Environmental Protection Agency (USEPA) Method 8260C. Only one composite sample from Building G1 was analyzed for paint filter. No composite samples from the Proposed CSO were analyzed for paint filter. Composite soil samples were analyzed for the following parameters:

- Semi-volatile organic compounds (SVOCs) (USEPA Method 8270D)
- Polychlorinated biphenyls (PCBs) (USEPA Method 8082A)
- Organochlorine pesticides (USEPA Method 8081B)
- Herbicides (USEPA Method 8151A)
- Ttarget analyte list [TAL] metals (USEPA Method 6010C/7471B)
- Hexavalent chromium (USEPA Method 7196A)_
- Cyanide (USEPA Method 9010C/9012A)
- Toxicity characteristic leaching procedure [TCLP] Resource Conservation and Recovery Act (RCRA) 8 metals (USEPA Method 1311)
- Ignitability (USEPA Method 1030)
- Corrosivity (USEPA Method 9045D)
- Cyanide Reactivity (SW846 Chapter 7.3)
- Sulfide Reactivity (SW846 Chapter 7.3)
- Total petroleum hydrocarbons gasoline-range organics (TPH-GRO) (USEPA Method 8015C)
- Total petroleum hydrocarbons diesel-range organics (TPH-DRO) (USEPA Method 8015C)
- Paint filter (USEPA Method 9095A)

Soil samples were analyzed for the above parameters to meet the analytical requirements for soil reuse set forth by NYC OER and typical receiving facility analytical requirements. Trip blanks were analyzed for VOCs only.

The laboratory was instructed to report all analytes inclusive of the United States Environmental Protection Agency (USEPA) Target Compound Lists (TCL) and the Title 6 New York Codes, Rules and Regulations (6 NYCRR) Part 375 lists. In addition, the laboratory was instructed to report the analytical data as an Analytical Services Protocol (ASP) Category A data deliverable and as an Electronic Data Deliverable (EDD) consistent with the New York State Department of Environmental Conservation (NYSDEC) requirements.

Groundwater Investigation

One groundwater monitoring well, MW-1, was installed within the footprint of Building G1 by ADT on September 13, 2013. However, Langan was unsuccessful in properly developing this well (yield was extremely low and the well did not recharge adequately during development presumably because the well screen was set in the very fine-grained native formation [e.g., clayey silt)] with low hydraulic conductivity). Therefore, Langan redeveloped and sampled one of its own geotechnical observation wells, GB-12(OW). GB-12(OW) was installed on June 5, 2013. GB-12(OW) was constructed with 10 feet of 2-inch Schedule 40 PVC solid riser pipe and 10 feet of 0.020-inch slotted Schedule 40 PVC well screen. The total depth of the well was 20 feet. Depth to water was measured to be approximately 8.12 feet below the top of the inner casing. The well annulus in the screened interval was filled with a No.2 Filpro pure silica sand primary filter pack. A 1-foot annular seal of hydrated bentonite was installed above the primary filter pack and screened interval. The annulus around the solid PVC riser pipe was filled with No.2 Filpro pure silica sand up to a cement-bentonite surface seal. The monitoring well was fitted with a locking well cap and flush-mounted, 8-inch manhole cover with a concrete collar.

Langan collected one groundwater samples from GB-12(OW) on September 19, 2013. The groundwater sample was collected in general accordance with NYSDEC DER-10 *Technical Guidance for Site Investigation and Remediation* (May 2010) and USEPA's *Low Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells*. The groundwater sample was collected using a stainless steel submersible pump connected to dedicated polyethylene tubing. Before the groundwater sample was collected, the well was gauged with an interface probe and then continuously purged at rate of about 500 mL/min until all groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature,

and oxidation-reduction potential) stabilized in accordance with the USEPA's low flow procedures for three consecutive readings. A multi-parameter water-quality system (YSI 6820) was used to monitor the groundwater quality parameters. The groundwater sampling log for GB-12(OW) is provided as Attachment C. Before sampling, depth to groundwater was measured at 8.12 feet below the top of the inner well casing.

The groundwater sample was containerized in laboratory-supplied glassware and submitted to a NYSDOH ELAP-certified laboratory (Alpha) via courier service under standard chain-of-custody protocol. A summary of the laboratory analyses performed on the groundwater sample is provided as Table 3. The groundwater sample was analyzed for the NYCDEP discharge effluent parameters and the NYSDEC Region 2 State Pollutant Discharge Elimination System (SPDES) and Long Island Well Permit Application dewatering parameters. The laboratory was instructed to report all analytical data in an ASP Category A data deliverable and as an EDD consistent with the NYSDEC requirements.

FIELD OBSERVATIONS

Building G1

The stratigraphy underlying Building G1 comprises a surficial layer of historic fill material overlying native clayey silt with fine-grained sand. The surficial historic fill material extends from ground surface to about 10 feet bgs (end of borings) across most of the sampling area and is composed of heterogeneous layers each with varying amounts of sand, silt, gravel, coal, coal ash, fly ash, slag, cinders, and brick, concrete and asphalt fragments. Asphalt and road base were encountered in the first 6 inches to 1 foot of each boring. Wood fragments were identified in all completed borings, except borings SB-3B, SB-4B, SB-5B, SB-7A, SB-7B, SB-9B, and SB-10A, at depths ranging from about 0.5 to about 10 feet bgs. Coal ash, fly ash, and/or cinders were identified in all completed borings, except borings SB-1B, SB-3B, SB-5A, and SB-6B, at depths ranging from about 0.5 to about 10 feet bgs. Slag was identified in borings SB-3A, SB-4B, SB-9A, SB-9B, and SB-10B, at depths ranging from about 4 to about 10 feet bgs. PID readings from subsurface strata ranged from zero parts per million (ppm) to greater than 9,999 ppm. PID readings above 50 ppm were identified in borings SB-3A (0 to 5 feet bgs), SB-3B (0 to 5 feet bgs), SB-5B (0 to 5 feet bgs) and SB-6A (2 to 8 feet bgs). The PID readings above 50 ppm correspond to the presence of historic fill material and road base material in three of the four locations. At SB-6A, the PID readings above 50 ppm correspond to the presence of wood fragments. No visual (i.e., staining, free product, etc.) indicators of petroleum contamination or

other gross contamination was identified in any of the completed borings. Boring logs for Building G1 are provided as Attachment A.

Proposed CSO

The stratigraphy within the proposed CSO trench comprises a surficial layer of historic fill material overlying native clayey silt with fine-grained sand. The surficial historic fill material extends from ground surface to about 10 feet bgs across most of the sampling area and is composed of heterogeneous layers each with varying amounts of sand, silt, gravel, coal, coal ash, fly ash, slag, cinders, and brick, concrete and asphalt fragments. Asphalt and road base were encountered in the first 6 inches to 1 foot of each boring. Wood fragments were identified in all completed borings, except borings SB-1B, SB-6A, and SB-6B, at depths ranging from about 0 to about 10 feet bgs. Coal ash, fly ash, and/or cinders were identified in all completed borings, except borings SB-5B and SB-6B, at depths ranging from about 0 to about 10 feet bgs. Slag was identified in all completed borings, except SB-1A and SB-5A, at depths ranging from about 2 to about 10 feet bgs. PID readings from subsurface strata ranged from zero parts per million (ppm) to 1,400 ppm. PID readings above 50 ppm were identified in borings SB-2A (2 to 9 feet bgs), SB-2B (1 to 6 feet bgs), SB-3A (6 to 10 feet bgs), SB-4A (3 to 9 feet bgs), SB-4B (6 to 8 feet bgs), SB-5A (0 to 4 and 8 to 10 feet bgs), SB-5B (0 to 10 feet bgs), and SB-6A (0 to 10 feet bgs). No visual (i.e., staining, free product, etc.) indicators of petroleum contamination or other gross contamination was identified in any of the completed borings. Boring logs for the proposed CSO outfall are provided as Attachment B.

ANALYTICAL RESULTS

The analytical soil results were tabulated and compared to the following regulatory criteria:

- Title 6 of the New York Codes, Rules, Regulations (NYCRR) Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs);
- 6 NYCRR Part 375-6.8(b) Restricted Use Restricted-Residential SCOs;
- New Jersey Administrative Code (N.J.A.C.) 7:26D Remediation Standards, Appendix 1, Table 1A – Residential Direct Contact Soil Remediation Standards;
- N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1B – Non-Residential Direct Contact Soil Remediation Standards; and
- Title 40 Code of Federal Regulations (CFR) 261 Subpart C and Table 1 of 40 CFR 261.24 Maximum Concentrations of Contaminants for the Toxicity Characteristic.

The analytical soil results for Building G1 are presented in Tables 4A, 4B, 4C, 4D and 4E. The analytical soil results for the proposed CSO outfall are presented in Tables 5A, 5B, 5C, 5D, and 5E. Quality assurance and quality control (QA/QC) sample analytical results for Building G1 are presented in Table 6. QA/QC sample analytical results for the proposed CSO outfall are presented in Table 7.

The analytical groundwater results were compared to the following regulatory criteria:

- NYCDEP Limitations for Effluent to Sanitary or Combined Sewers;
- NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class I Waters; and
- NYSDEC TOGS 1.1.1 Groundwater Effluent Limitations for Class GA Waters and 6 NYCRR Part 703.6 Groundwater Effluent Limitations for Discharges to Class GA Waters.

The analytical groundwater results for Building G1 are presented in Tables 8, 9 and 10.

The laboratory analytical data reports for soil samples are provided as Attachment D. The laboratory analytical data reports for groundwater samples are provided as Attachment E. A copy of Alpha's ELAP certification is provided as Attachment F.

LIMITATIONS

This report was prepared expressly for Greenpoint Landing Developers, LLC and for the objectives defined herein. Langan cannot assume responsibility for the use of this Report for any property other than the specific property addressed in this report, or by any third party without specific written authorization from Langan.

The observations and results provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples. 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. Langan is providing the waste classification data contained herein to assist the contractor in their efforts to gain approval from facilities for disposal of material. Based on the facility selected, the Contractor may be required to collect

additional samples and have additional laboratory analysis completed. Langan is in no way responsible for the waste characterization grid, including marking out or maintaining or ensuring the accuracy of the grid. Handling, characterizing, marking out grids, excavating, transporting and disposing of material is solely the responsibility of the Contractor.

CLOSING

Should you have any questions regarding the findings presented in this report, please feel free to call us at 212-479-5400. We look forward to assisting you on this project.

Sincerely,

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

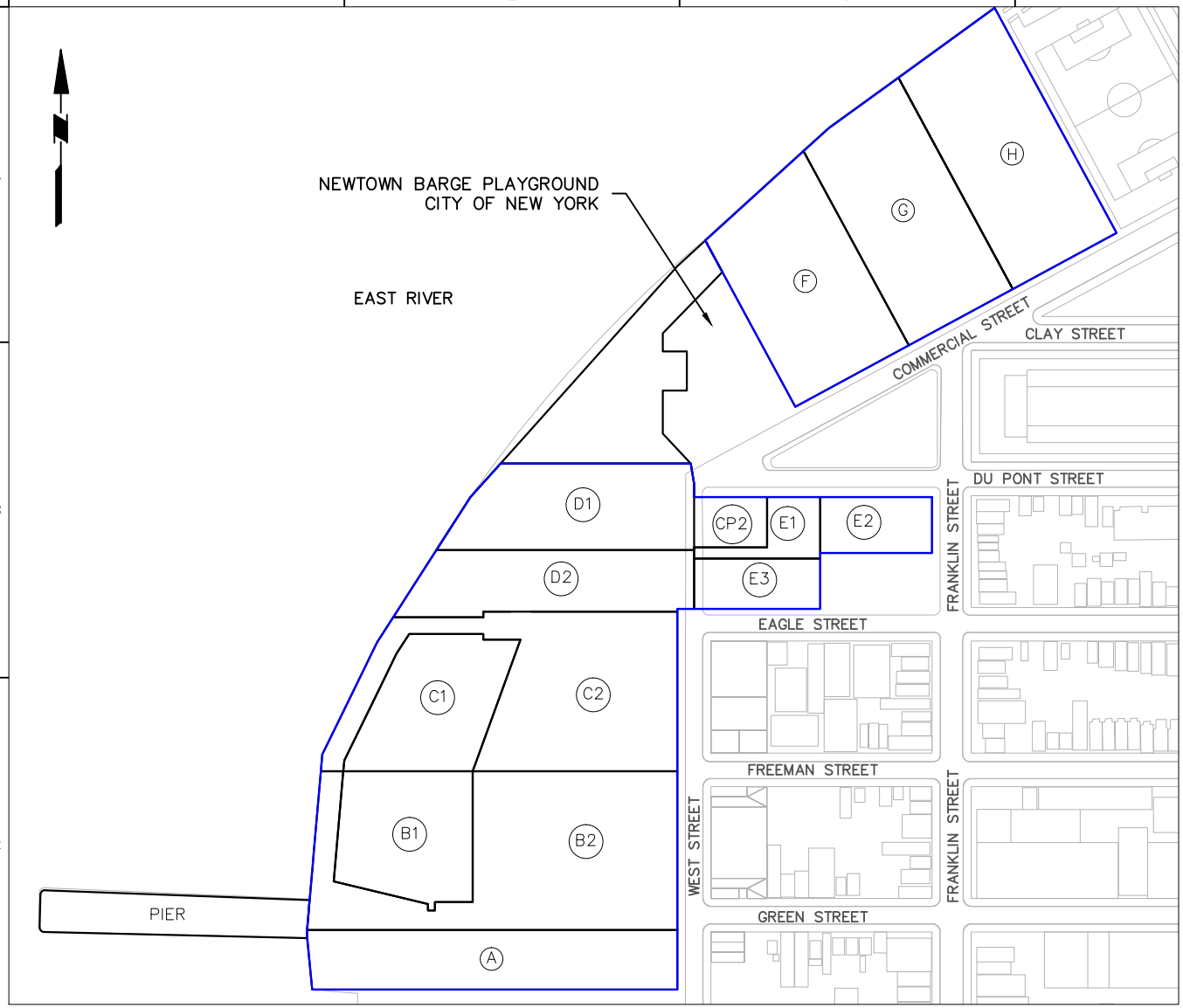
Mimi S. Raygorodetsky
Senior Project Scientist

cc: G.Wyka (Langan)
M.Chertok (SPR)

Enclosure(s): Figure 1 – Greenpoint Landing Development Project
Figure 2 – Building G1 – Waste Characterization Sampling Location Map
Figure 3 – Proposed CSO – Waste Characterization Sampling Location Map
Table 1A – Building G1 – Soil Sample Summary
Table 1B – Building G1 – QA/QC Sample Summary
Table 2A – Proposed CSO – Soil Sample Summary
Table 2B – Proposed CSO – QA/QC Sample Summary
Table 3 – Building G1 – Groundwater Sample Summary
Table 4A – Building G1 – Grab Soil Sample Results Summary (NY)
Table 4B – Building G1 – Composite Soil Sample Results Summary (NY)
Table 4C – Building G1 – Grab Soil Sample Results Summary (NJ)
Table 4D – Building G1 – Composite Soil Sample Results Summary (NJ)
Table 4E – Building G1 – Composite Soil Sample Results Summary (Federal)
Table 5A – Proposed CSO – Grab Soil Sample Results Summary (NY)
Table 5B – Proposed CSO – Composite Soil Sample Results Summary (NY)
Table 5C – Proposed CSO – Grab Soil Sample Results Summary (NJ)
Table 5D – Proposed CSO – Composite Soil Sample Results Summary (NJ)
Table 5E – Proposed CSO – Composite Soil Sample Results Summary (Federal)
Table 6 – Building G1 – QA/QC Sample Results Summary

Table 7 – Proposed CSO – QA/QC Sample Results Summary
Table 8 – Building G1 – Groundwater Sample Results Summary (NYCDEP)
Table 9 – Building G1 – Groundwater Sample Results Summary (Class I)
Table 10 – Building G1 – Groundwater Sample Results Summary (Class GA)
Attachment A – Building G1 – Boring Logs
Attachment B – Proposed CSO – Boring Logs
Attachment C – Building G1 – Groundwater Sampling Logs
Attachment D – Laboratory Analytical Data Reports (Soil)
Attachment E – Laboratory Analytical Data Reports (Groundwater)
Attachment F – Analytical Laboratory Certification

FIGURES



LEGEND

- APPROXIMATE PROJECT BOUNDARY
- APPROXIMATE PARCEL BOUNDARY
- (A) PARCEL ID

GENERAL NOTES

1. BASE MAP SOURCE: DRAWING "310215-FULL-SITE-OPEN-SPACE" PROVIDED BY HANDEL ARCHITECTS, LLP.
2. NORTH ARROW SHOWS PROJECT NORTH.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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SCALE IN FEET

LANGAN

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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC
Collectively known as Langan

Project: GREENPOINT LANDING

BROOKLYN

KINGS NEW YORK

Drawing Title: GREENPOINT LANDING DEVELOPMENT PROJECT

Project No. 170229002	Drawing No. 1
Date 11/04/2013	
Scale 1" = 300'	
Drawn By GCW	
Submission Date	Sheet 1 of 3

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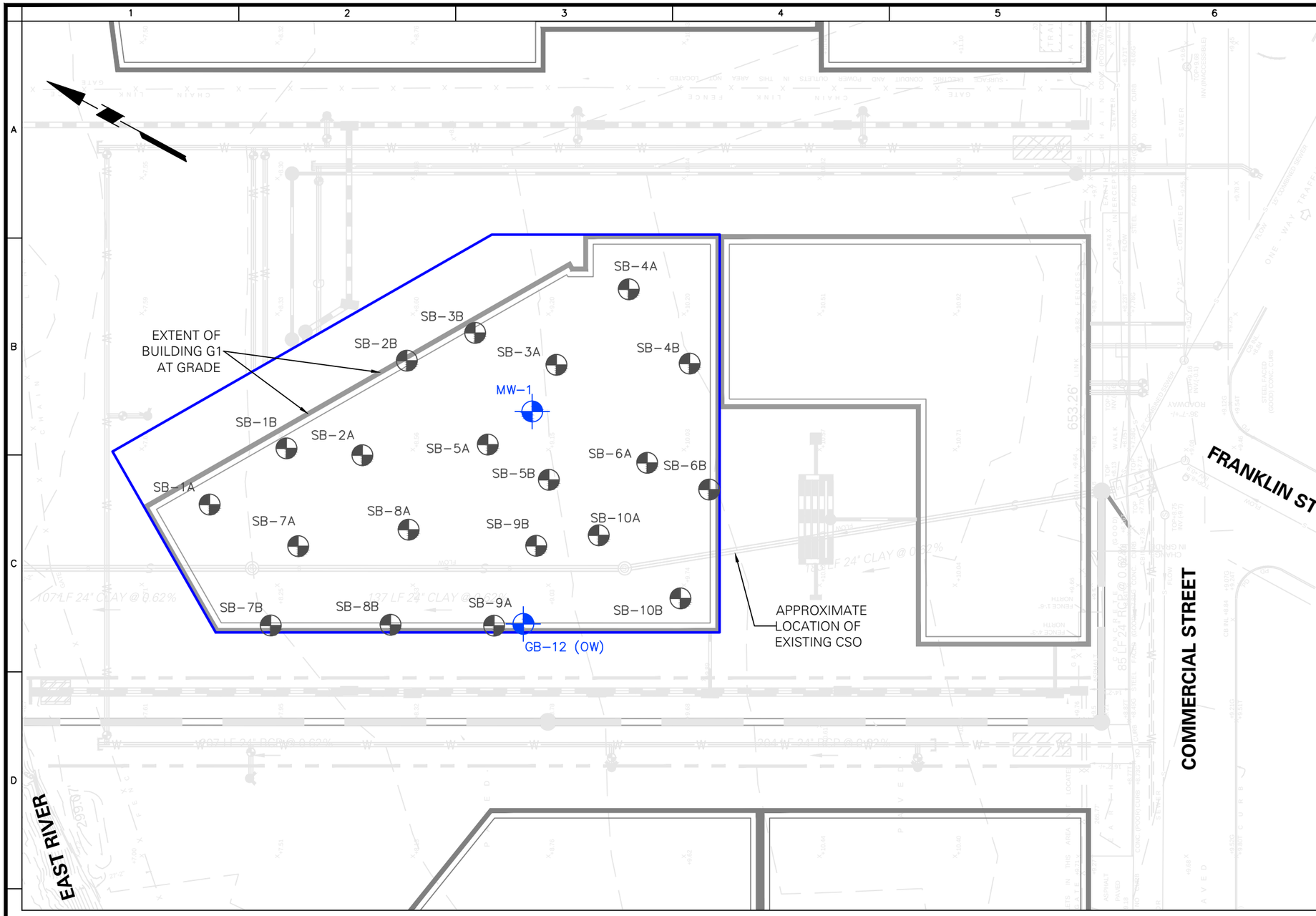

LEGEND

- PROPOSED FOOTPRINT OF BUILDING G1
- SB-1A BORING LOCATION AND ID
- MW-1 MONITORING WELL LOCATION AND ID

GENERAL NOTES

1. BASE PLANS TAKEN FROM LANGAN DRAWINGS: UTILITY DRAWING "170229001-C-UI0101", DATED 08/16/2013 AND SITE SURVEY "170229001-V-EX0101", DATED 08/13/2013.
2. ALL BORING AND WELL LOCATIONS WERE LOCATED BY GPS.
3. BUILDING G1 CELLAR EXTENDS OUTSIDE THE ABOVE GROUND BUILDING EXTENTS, AS NOTED.
4. WASTE CHARACTERIZATION SAMPLING FOR BUILDING G1 CONSISTED OF SHALLOW APPROX. 500-CY CELLS FROM 0 TO 5 FEET AND DEEP APPROX. 500-CY CELLS FROM 5 TO 10 FEET BELOW SURFACE GRADE.
5. SAMPLE LABELING REFLECTS THE GRID AND CELL FROM WHERE THE SAMPLE WAS COLLECTED.
6. MW-1 WAS INSTALLED WITHIN THE FOOTPRINT OF BUILDING G1. A GROUNDWATER SAMPLE WAS COLLECTED FROM GB-12 (OW), WHICH WAS INSTALLED BY LANGAN GEOTECHNICAL. GB-12 (OW) WAS SAMPLED USING USEPA LOW FLOW SAMPLING METHODS AND ANALYZED FOR NYCDEP AND NYSDEC SPDES PARAMETERS.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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Langan International LLC
Collectively known as Langan

Project
GREENPOINT LANDING
BROOKLYN
KINGS NEW YORK

Drawing Title
WASTE CHARACTERIZATION SAMPLING LOCATION MAP
BUILDING G1

Project No. 170229002	Drawing No. 2
Date 11/04/2013	
Scale 1" = 40'	
Drawn By SD / Checked By GCW	
Submission Date	Sheet 2 of 3

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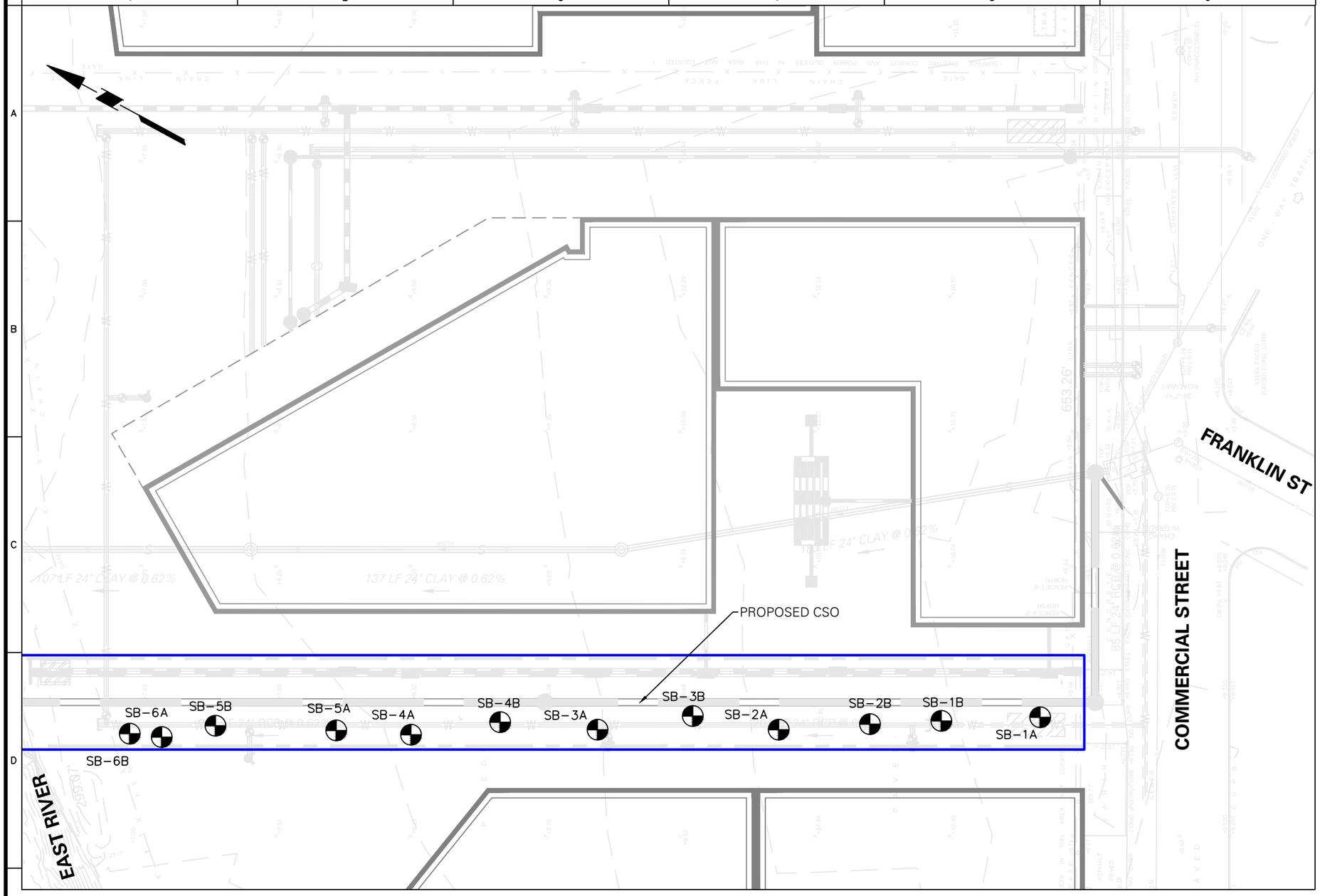

LEGEND

PROPOSED EXCAVATION FOOTPRINT OF CSO AND OUTFALL

SB-1A BORING LOCATION AND ID

GENERAL NOTES

1. BASE PLANS TAKEN FROM LANGAN DRAWINGS: UTILITY DRAWING "170229001-C-UI0101", DATED 08/16/2013 AND SITE SURVEY "170229001-V-EX0101", DATED 08/13/2013.
2. ALL BORING LOCATIONS WERE LOCATED BY GPS.
3. WASTE CHARACTERIZATION SAMPLING FOR THE PROPOSED CSO CONSISTED OF APPROX. 500-CY CELLS FROM 0 TO 10 FEET BELOW GRADE SURFACE. THE CELLS ASSUME AN EXCAVATION CUT OF 10 FEET AND A 1.5 LAYBACK SLOPE FROM THE 5-FOOT WIDE CSO PIPE PLATFORM.
4. SAMPLE LABELING REFLECTS THE GRID AND CELL FROM WHERE THE SAMPLE WAS COLLECTED.
5. NO GROUNDWATER SAMPLES WERE COLLECTED FROM WITHIN THE FOOTPRINT OF THE PROPOSED CSO OUTFALL.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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SCALE IN FEET

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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC

Collectively known as Langan

Project: GREENPOINT LANDING

BROOKLYN

KINGS NEW YORK

Drawing Title: WASTE CHARACTERIZATION SAMPLING LOCATION MAP

PROPOSED CSO

Project No. 170229002	Drawing No. 3
Date 11/04/2013	
Scale 1" = 40'	
Drawn By SD / Checked By GCW	
Submission Date	Sheet 3 of 3

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TABLES

Table 1A
Soil Sample Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample Name	Sample Type	Boring Numbers	Depth (ft bgs)	Analysis
1	G1_SB-01A_9-9.5	Grab	SB-01A	9 to 9.5	VOCs
2	G1_COMP-01S_0-5	Composite	SB-1A, SB-1B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO), PAINT FILTER
3	G1_SB-01B_4-4.5	Grab	SB-01B	4 to 4.5	VOCs
4	G1_COMP-01D_5-10	Composite	SB-1A, SB-1B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
5	G1_SB-02A_2.5-3	Grab	SB-02A	2.5 to 3	VOCs
6	G1_COMP-02S_0-5	Composite	SB-2A, SB-2B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
7	G1_SB-02A_8-8.5	Grab	SB-02A	8 to 8.5	VOCs
8	G1_COMP-02D_5-10	Composite	SB-2A, SB-2B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
9	G1_SB-03B_4-4.5	Grab	SB-03B	4 to 4.5	VOCs
10	G1_COMP-03S_0-5	Composite	SB-3A, SB-3B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
11	G1_SB-03B_9-9.5	Grab	SB-03B	9 to 9.5	VOCs
12	G1_COMP-03D_5-10	Composite	SB-3A, SB-3B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
13	G1_SB-04A_2-2.5	Grab	SB-04A	2 to 2.5	VOCs
14	G1_COMP-04S_0-5	Composite	SB-4A, SB-4B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
15	G1_SB-04A_9-9.5	Grab	SB-04A	9 to 9.5	VOCs
16	G1_COMP-04D_5-10	Composite	SB-4A, SB-4B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
17	G1_SB-05B_3-3.5	Grab	SB-05B	3 to 3.5	VOCs
18	G1_COMP-05S_0-5	Composite	SB-5A, SB-5B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
19	G1_SB-05B_8-8.5	Grab	SB-05B	8 to 8.5	VOCs
20	G1_COMP-05D_5-10	Composite	SB-5A, SB-5B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)

Notes:

1. All soil samples for VOC analysis were collected using EnCore sampling devices.
2. Composite samples were obtained from homogenizing at a minimum of five grab samples.
3. Grab samples were collected from the 6-inch interval exhibiting the highest degree of contamination based on visual, olfactory and PID readings.

Table 1A
Soil Sample Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample Name	Sample Type	Boring Numbers	Depth (ft bgs)	Analysis
21	G1_SB-06A_3-3.5	Grab	SB-06A	3 to 3.5	VOCs
22	G1_COMP-06S_0-5	Composite	SB-6A, SB-6B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
23	G1_SB-06A_7-7.5	Grab	SB-06A	7 to 7.5	VOCs
24	G1_COMP-06D_5-10	Composite	SB-6A, SB-6B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
25	G1_SB-07A_3.5-4	Grab	SB-07A	3.5 to 4	VOCs
26	G1_COMP-07S_0-5	Composite	SB-7A, SB-7B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
27	G1_SB-07A_9-9.5	Grab	SB-07A	9 to 9.5	VOCs
28	G1_COMP-07D_5-10	Composite	SB-7A, SB-7B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
29	G1_SB-08A_4.5-5	Grab	SB-08A	4.5 to 5	VOCs
30	G1_COMP-08S_0-5	Composite	SB-8A, SB-8B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
31	G1_SB-08A_9-9.5	Grab	SB-08A	9 to 9.5	VOCs
32	G1_COMP-08D_5-10	Composite	SB-8A, SB-8B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
33	G1_SB-09A_3.5-4	Grab	SB-09A	3.5 to 4	VOCs
34	G1_COMP-09S_0-5	Composite	SB-9A, SB-9B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
35	G1_SB-09A_9.5-10	Grab	SB-09A	9.5 to 10	VOCs
36	G1_COMP-09D_5-10	Composite	SB-9A, SB-9B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
37	G1_SB-10B_4-4.5	Grab	SB-10B	4 to 4.5	VOCs
38	G1_COMP-10S_0-5	Composite	SB-10A, SB-10B	0-5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
39	G1_SB-10B_9.5-10	Grab	SB-10B	9.5 to 10	VOCs
40	G1_COMP-10D_5-10	Composite	SB-10A, SB-10B	5-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)

Notes:

1. All soil samples for VOC analysis were collected using EnCore sampling devices.
2. Composite samples were obtained from homogenizing at a minimum of five grab samples.
3. Grab samples were collected from the 6-inch interval exhibiting the highest degree of contamination based on visual, olfactory and PID readings.

Table 1B
QA/QC Samples Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	QA/QC Type	Sample Name	Sample Type	Parent Sample ID	Sampling Location	Sampling Frequency	Depth (ft bgs)	Analysis
1	Duplicate	G1_DUP_091313_4-4.5	Grab	G1_SB-01B_4-4.5	Parcel G1	1 per Parcel	4 to 4.5	VOCs
2	Duplicate	G1_COMP-DUP_091313_S	Composite	G1_COMP-01S_0-5	Parcel G1	1 per Parcel	0 to 5	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
3	Field Blank	FB01_091213	N/A	N/A	N/A	One per Field Sampling Day	N/A	VOCs, SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium
4	Field Blank	FB01_091313	N/A	N/A	N/A	One per Field Sampling Day	N/A	VOCs, SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium
5	Trip Blank	TB01_091213	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
6	Trip Blank	TB01_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
7	Trip Blank	TB02_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
7	Trip Blank	TB03_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
8	Trip Blank	TB04_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
9	Trip Blank	TB05_091313	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs

Notes:
1. Grab soil sample for VOC analysis was collected using EnCore sampling device.
2. Composite sample was obtained from homogenizing at a minimum of five grab samples.
3. Grab sample was collected from the 6-inch interval exhibiting the highest degree of contamination based on visual, olfactory and PID readings.

Table 2A
Soil Sample Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample Name	Sample Type	Boring Numbers	Depth (ft bgs)	Analysis
1	CSO_SB-01A_0-0.5	Grab	SB-1A	0 to 0.5	VOCs
2	CSO_COMP-01_0-10	Composite	SB-1A, SB-1B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
3	CSO_SB-02B_5-5.5	Grab	SB-2B	5 to 5.5	VOCs
4	CSO_COMP-02_0-10	Composite	SB-2A, SB-2B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
5	CSO_SB-03A_8.5-9	Grab	SB-3A	8.5 to 9	VOCs
6	CSO_COMP-03_0-10	Composite	SB-3A, SB-3B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
7	CSO_SB-04B_6.5-7.0	Grab	SB-4B	6.5 to 7	VOCs
8	CSO_COMP-04_0-10	Composite	SB-4A, SB-4B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
9	CSO_SB-05A_7.5-8.0	Grab	SB-5A	7.5 to 8	VOCs
10	CSO_COMP-05_0-10	Composite	SB-5A, SB-5B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)
11	CSO_SB-06A_3.5-4	Grab	SB-6A	3.5 to 4	VOCs
12	CSO_COMP-06_0-10	Composite	SB-6A, SB-6B	0-10	SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP RCRA 8 Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), TPH (GRO & DRO)

Notes:

1. All soil samples for VOC analysis were collected using EnCore sampling devices.
2. Composite samples were obtained from homogenizing at a minimum of five grab samples.
3. Grab samples were collected from the 6-inch interval exhibiting the highest degree of contamination based on visual, olfactory and PID readings.

Table 2B
QA/QC Samples Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	QA/QC Type	Sample Name	Sample Type	Parent Sample ID	Sampling Location	Sampling Frequency	Depth (ft bgs)	Analysis
1	Trip Blank	TB01_091413	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
2	Trip Blank	TB02_091413	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs
3	Trip Blank	TB03_091413	N/A	N/A	N/A	One per Sample Cooler	N/A	VOCs

Table 3
Groundwater Sample Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Number	Sample Name	Sample Type	Boring Numbers	Analysis
1	GB12OW_091913	Grab	GB12(OW)	NYCDEP Sanitary/Combined Sewer Parameters
				pH - SM4500 H+-B
				Oil & Grease - EPA 1664
				Total Suspended Solids - SM2540D
				Settleable Solids - SM2540F
				VOCs - EPA 624
				Nitrate/Nitrite - SM4500NO3-F
				13 Priority Pollutant Metals - EPA 200.7, 200.8, 245.1

Notes:
1. Groundwater sample was collected using EPA low-flow methods.
2. Groundwater sample was collected from GB12(OW), one of Langan's geotechnical obervational wells.

Table 4A
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G1_SB-01A			G1_SB-01B			G1_SB-01B			G1_SB-02A			G1_SB-02A			G1_SB-03B			G1_SB-03B			G1_SB-04A			G1_SB-04A			G1_SB-05B			G1_SB-05B		
Client Sample ID			G1_SB-01A_9-9.5			G1_SB-01B_4-4.5			G1_DUP_091313_4-4.5			G1_SB-02A_2.5-3			G1_SB-02A_8-8.5			G1_SB-03B_4-4.5			G1_SB-03B_9-9.5			G1_SB-04A_2-2.5			G1_SB-04A_9-9.5			G1_SB-05B_3-3.5			G1_SB-05B_8-8.5		
Lab Sample ID			L1318158-10			L1318158-09			L1318158-13			L1318159-02			L1318159-03			L1318009-07			L1318009-08			L1318009-05			L1318009-03			L1318158-02			L1318158-01		
Sample Date			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013		
Sample Depth (feet bgs)			9 to 9.5			4 to 4.5			4 to 4.5			2.5 to 3			8 to 8.5			4 to 4.5			9 to 9.5			2 to 2.5			9 to 9.5			3 to 3.5			8 to 8.5		
Volatile Organic Compounds (mg/kg)																																			
1,2,4,5-Tetramethylbenzene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32	U	1	0.006	U	1	0.049	J	1	0.0049	U	1	0.37	U	1	0.0053	U	1
1,2,4-Trimethylbenzene	3.6	52	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.4	U	1	0.0075	U	1	0.059	J	1	0.0061	U	1	0.24	J	1	0.0066	U	1
1,2-Dichloroethane	0.02	3.1	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	**1.1**		1	0.0015	U	1	*0.08*	U	1	0.0012	U	1	*0.092*	U	1	0.0013	U	1
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.035	J	1	0.0075	U	1	0.067	J	1	0.0061	U	1	0.16	J	1	0.0066	U	1
1,4-Diethyl Benzene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.023	J	1	0.006	U	1	0.077	J	1	0.0049	U	1	0.37	U	1	0.0053	U	1
4-Ethyltoluene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32	U	1	0.006	U	1	0.037	J	1	0.0049	U	1	0.14	J	1	0.0053	U	1
Acetone	0.05	100	0.012	J	1	0.01	U	1	0.01	U	1	0.012	U	1	0.018		1	**0.26**	J	1	0.0065	J	1	*0.8*	U	1	0.0056	J	1	*0.92*	U	1	0.0078	J	1
Benzene	0.06	4.8	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.017	J	1	0.0015	U	1	0.021	J	1	0.0012	U	1	**0.21**		1	0.0013	U	1
Bromomethane	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.063	J	1	0.0024	U	1	0.18	U	1	0.0026	U	1
Carbon Disulfide	~	~	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.015	U	1	0.81	U	1	0.015	U	1	0.8	U	1	0.012	U	1	0.92	U	1	0.013	U	1
Chloromethane	~	~	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.4	U	1	0.0075	U	1	0.4	U	1	0.0061	U	1	0.46	U	1	0.0066	U	1
Cyclohexane	~	~	0.033	U	1	0.021	U	1	0.02	U	1	0.024	U	1	0.03	U	1	0.093	J	1	0.03	U	1	1.6	U	1	0.024	U	1	0.35	J	1	0.026	U	1
Cymene	~	~	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.023	J	1	0.0013	U	1
Ethylbenzene	1	41	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.015	J	1	0.0012	U	1	0.09	J	1	0.0013	U	1
Isopropylbenzene (Cumene)	~	~	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.018	J	1	0.0012	U	1	0.027	J	1	0.0013	U	1
Methyl Acetate	~	~	0.033	U	1	0.021	U	1	0.02	U	1	0.024	U	1	0.03	U	1	1.6	U	1	0.03	U	1	1.6	U	1	0.024	U	1	0.3	J	1	0.026	U	1
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.0044	J	1	*0.81*	U	1	0.015	U	1	*0.8*	U	1	0.012	U	1	*0.92*	U	1	0.013	U	1
Methylcyclohexane	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32		1	0.006	U	1	0.13	J	1	0.0049	U	1	1.2		1	0.0053	U	1
Methylene Chloride	0.05	100	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.015	U	1	*0.81*	U	1	0.015	U	1	**0.21**	J	1	0.012	U	1	*0.92*	U	1	0.013	U	1
M-P-Xylene	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.051	J	1	0.003	U	1	0.066	J	1	0.0024	U	1	0.41		1	0.0026	U	1
Naphthalene	12	100	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0058	J	1	0.065	J	1	0.0075	U	1	0.78		1	0.0061	U	1	0.33	J	1	0.0066	U	1
N-Propylbenzene	3.9	100	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.032	J	1	0.0013	U	1
O-Xylene (1,2-Dimethylbenzene)	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.16	U	1	0.0024	U	1	0.18		1	0.0026	U	1
Styrene	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.16	U	1	0.0024	U	1	0.18	U	1	0.0026	U	1
Toluene	0.7	100	0.0025	U	1	0.0016	U	1	0.0015	U	1	0.0018	U	1	0.0022	U	1	0.067	J	1	0.0022	U	1	0.047	J	1	0.0018	U	1	0.43		1	0.002	U	1
Trichloroethylene (TCE)	0.47	21	0.0016		1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.022	J	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.092	U	1	0.0013	U	1
Xylene (Total)	0.26	100	ND			ND			ND			ND			ND			0.051	J		ND			0.066	J		ND			**0.59**			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 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are highlighted and bolded.
4. There are no reported NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.
D^{25} = Sample required dilution; 25 = dilution factor

Table 4A
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location Client Sample ID Lab Sample ID Sample Date Sample Depth (feet bgs)	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G1_SB-06A G1_SB-06A_3-3.5 L1318158-05 09/13/2013 3 to 3.5			G1_SB-06A G1_SB-06A_7-7.5 L1318158-06 09/13/2013 7 to 7.5			G1_SB-07A G1_SB-07A_3.5-4 L1318164-01 09/13/2013 3.5 to 4			G1_SB-07A G1_SB-07A_9-9.5 L1318164-02 09/13/2013 9 to 9.5			G1_SB-08A G1_SB-08A_4.5-5 L1318164-08 09/13/2013 4.5 to 5			G1_SB-08A G1_SB-08A_9-9.5 L1318164-07 09/13/2013 9 to 9.5			G1_SB-09A G1_SB-09A_3.5-4 L1318162-04 09/13/2013 3.5 to 4			G1_SB-09A G1_SB-09A_9.5-10 L1318162-03 09/13/2013 9.5 to 10			G1_SB-10B G1_SB-10B_4-4.5 L1318161-01 09/13/2013 4 to 4.5			G1_SB-10B G1_SB-10B_9.5-10 L1318161-02 09/13/2013 9.5 to 10		
Volatile Organic Compounds (mg/kg)																																				
1,2,4,5-Tetramethylbenzene	~	~	0.0035	J	1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
1,2,4-Trimethylbenzene	3.6	52	0.017		1	*14*	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.007	U	1	0.0046	U	1
1,2-Dichloroethane	0.02	3.1	0.0016	U	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	0.0082		1	*14*	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.007	U	1	0.0046	U	1
1,4-Diethyl Benzene	~	~	0.011		1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
4-Ethyltoluene	~	~	0.0072		1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
Acetone	0.05	100	0.032		1	*28*	U	25	0.0095	U	1	0.033		1	0.0088	U	1	0.049		1	0.013	U	1	0.015	U	1	0.0082	J	1	0.0063	J	1
Benzene	0.06	4.8	0.0016	U	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Bromomethane	~	~	0.0032	U	1	5.6	U	25	0.0019	U	1	0.00063	J	1	0.00039	J	1	0.00066	J	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Carbon Disulfide	~	~	0.016	U	1	28	U	25	0.0095	U	1	0.012	U	1	0.0088	U	1	0.012	U	1	0.013	U	1	0.015	U	1	0.011	J	1	0.0092	U	1
Chloromethane	~	~	0.0081	U	1	14	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.011		1	0.0046	U	1
Cyclohexane	~	~	0.032	U	1	56	U	25	0.019	U	1	0.024	U	1	0.018	U	1	0.024	U	1	0.025	U	1	0.031	U	1	0.028	U	1	0.018	U	1
Cymene	~	~	0.028		1	73		25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.01		1	0.00092	U	1
Ethylbenzene	1	41	0.0011	J	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Isopropylbenzene (Cumene)	~	~	0.00059	J	1	2.8	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Methyl Acetate	~	~	0.032	U	1	56	U	25	0.019	U	1	0.024	U	1	0.018	U	1	0.024	U	1	0.025	U	1	0.031	U	1	0.028	U	1	0.018	U	1
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.016	U	1	*28*	U	25	0.0095	U	1	0.0053	J	1	0.0088	U	1	0.0067	J	1	0.013	U	1	0.015	U	1	0.014	U	1	0.0092	U	1
Methylcyclohexane	~	~	0.0065	U	1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
Methylene Chloride	0.05	100	0.016	U	1	*28*	U	25	0.0095	U	1	0.012	U	1	0.0088	U	1	0.012	U	1	0.013	U	1	0.015	U	1	0.014	U	1	0.0092	U	1
M-P-Xylene	~	~	0.0042		1	5.6	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Naphthalene	12	100	**100**		5	14	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0013	J	1	0.018		1	0.0046	U	1
N-Propylbenzene	3.9	100	0.0016	U	1	2.8	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
O-Xylene (1,2-Dimethylbenzene)	~	~	0.0034		1	*5.6*	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Styrene	~	~	0.0013	J	1	5.6	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Toluene	0.7	100	0.00065	J	1	**0.77**	J	25	0.0014	U	1	0.0018	U	1	0.0013	U	1	0.0018	U	1	0.00028	J	1	0.0023	U	1	0.0021	U	1	0.0014	U	1
Trichloroethylene (TCE)	0.47	21	0.0016	U	1	*2.8*	U	25	0.0014		1	0.0012	U	1	0.00038	J	1	0.0012	U	1	0.024		1	0.0004	J	1	0.0014	U	1	0.00092	U	1
Xylene (Total)	0.26	100	0.0176			ND			ND			ND			ND			ND			ND			ND			ND			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 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
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4. There are no reported NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.
D^{25} = Sample required dilution; 25 = dilution factor

Table 4B
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G1_COMP-01S			G1_COMP-01S			G1_COMP-01D			G1_COMP-02S			G1_COMP-02D			G1_COMP-03S			G1_COMP-03D			G1_COMP-04S			G1_COMP-04D			G1_COMP-05S			G1_COMP-05D		
Client Sample ID			G1_COMP-01S_0-5			G1_COMP-DUP_091313_S			G1_COMP-01D_5-10			G1_COMP-02S_0-5			G1_COMP-02D_5-10			G1_COMP-03S_0-5			G1_COMP-03D_5-10			G1_COMP-04S_0-5			G1_COMP-04D_5-10			G1_COMP-05S_0-5			G1_COMP-05D_5-10		
Lab Sample ID			L1318158-12			L1318158-14			L1318158-11			L1318159-04			L1318159-05			L1318009-10			L1318009-09			L1318009-06			L1318009-04			L1318158-04			L1318158-03		
Sample Date			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013		
Sample Depth (feet bgs)			0 to 5			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	~	~	0.16	J	1	0.12	J	2	0.32		1	0.13	J	2	0.32		1	0.37	J	4	0.27	J	2	0.41		1	0.25	J	4	0.27		1	0.27		1
3-Methylphenol	0.33	100	0.26	U	1	*0.51*	U	2	0.3	U	1	*0.52*	U	2	0.29	U	1	*1.1*	U	4	*0.58*	U	2	0.28	U	1	*1.1*	U	4	0.28	U	1	0.29	U	1
Acenaphthene	20	100	0.3		1	0.29		2	0.5		1	0.63		2	0.64		1	1		4	0.7		2	0.55		1	1.5		4	0.74		1	0.88		1
Acenaphthylene	100	100	0.24		1	0.43		2	0.18		1	0.26	J	2	0.16		1	0.14	J	4	0.15	J	2	0.11	J	1	0.28	J	4	0.19		1	0.21		1
Anthracene	100	100	0.94		1	1		2	1.7		1	1.9		2	1.4		1	2.6		4	2		2	1.8		1	4.2		4	1.9		1	2.1		1
Benzaldehyde	~	~	0.24	U	1	0.47	U	2	0.12	J	1	0.48	U	2	0.2	J	1	0.99	U	4	0.53	U	2	0.26	U	1	1	U	4	0.13	J	1	0.11	J	1
Benzo(a)anthracene	1	1	**2.1**		1	**2.1**		2	**4.7**		1	**4.4**		2	**2.8**		1	**4.9**		4	**3.1**		2	**3.1**		1	**8.5**		4	**4.8**		1	**3.7**		1
Benzo(a)pyrene	1	1	**1.9**		1	**1.9**		2	**5.2**		1	**3.5**		2	**2.9**		1	**4.1**		4	**2.7**		2	**2.7**		1	**8.1**		4	**5**		1	**3.8**		1
Benzo(b)fluoranthene	1	1	**2.1**		1	**2.2**		2	**6.5**		1	**4.6**		2	**3.5**		1	**5**		4	**3.4**		2	**3.4**		1	**9.5**		4	**7.1**		1	**4.8**		1
Benzo(g,h,i)perylene	100	100	1.2		1	1.6		2	3.9		1	2.3		2	1.9		1	2.2		4	1.6		2	1.5		1	4.9		4	3.4		1	2.4		1
Benzo(k)fluoranthene	0.8	3.9	**0.97**		1	**0.86**		2	**2.3**		1	**1.7**		2	**1.4**		1	**2**		4	**1.3**		2	**1.2**		1	**3.1**		4	**2.2**		1	**1.8**		1
Biphenyl (Diphenyl)	~	~	0.41	U	1	0.81	U	2	0.13	J	1	0.82	U	2	0.12	J	1	1.7	U	4	0.92	U	2	0.12	J	1	1.8	U	4	0.082	J	1	0.099	J	1
Bis(2-Ethylhexyl) Phthalate	~	~	0.18	U	1	0.35	U	2	0.21	U	1	0.36	U	2	0.2	U	1	0.4	J	4	0.4	U	2	0.33		1	0.78	U	4	0.2	U	1	0.2	U	1
Carbazole	~	~	0.33		1	0.33	J	2	0.58		1	0.7		2	0.65		1	0.76		4	0.48		2	0.54		1	1.2		4	0.78		1	0.8		1
Chrysene	1	3.9	**2.2**		1	**2**		2	**4.8**		1	**4.2**		2	**3.2**		1	**4.7**		4	**3.3**		2	**2.9**		1	**9.6**		4	**4.8**		1	**3.6**		1
Dibenz(a,h)anthracene	0.33	0.33	**0.34**		1	**0.36**		2	**0.96**		1	**0.72**		2	**0.6**		1	**0.66**		4	**0.44**		2	**0.44**		1	**1.2**		4	**1.2**		1	**0.7**		1
Dibenzofuran	7	59	0.26		1	0.22	J	2	0.67		1	0.38		2	0.59		1	0.73	J	4	0.63		2	0.65		1	0.84		4	0.57		1	0.61		1
Di-n-butylphthalate	~	~	0.18	U	1	0.35	U	2	0.21	U	1	0.12	J	2	0.2	U	1	0.75	U	4	0.4	U	2	0.05	J	1	0.78	U	4	0.2	U	1	0.2	U	1
Fluoranthene	100	100	4.2		1	4		2	12		2	8.8		2	6.5		1	10		4	7.7		2	6.3		1	20		4	5.5		1	6.7		1
Fluorene	30	100	0.37		1	0.33	J	2	0.83		1	0.61		2	0.84		1	1.1		4	0.88		2	0.78		1	1.8		4	0.93		1	0.98		1
Indeno(1,2,3-c,d)pyrene	0.5	0.5	**1.3**		1	**1.7**		2	**4.3**		1	**2.6**		2	**2.1**		1	**2.6**		4	**1.8**		2	**1.8**		1	**5.2**		4	**3.7**		1	**2.7**		1
Naphthalene	12	100	0.21		1	0.19	J	2	1.1		1	0.17	J	2	0.73		1	0.81		4	0.36	J	2	0.81		1	0.4	J	4	0.4		1	0.38		1
Phenanthrene	100	100	3.8		1	3.3		2	7		1	7.6		2	5.5		1	9.8		4	7.9		2	6		1	17		4	5.3		1	6.6		1
Phenol	0.33	100	0.18	U	1	*0.35*	U	2	0.21	U	1	*0.36*	U	2	0.2	U	1	*0.75*	U	4	*0.4*	U	2	0.2	U	1	*0.78*	U	4	0.2	U	1	0.2	U	1
Pyrene	100	100	3.8		1	3.7		2	8.2		1	7.4		2	5.3		1	8.4		4	6.5		2	5		1	20		4	6.3		1	6.6		1
Total SVOCs	~	~	26.72	J	1	26.63	J	2	65.99	J		52.72	J	2	41.35	J	1	62.27	J	4	45.21	J	2	40.49	J	1	117.57	J	4	55.292	J	1	49.839	J	1
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0336	J	1	0.0237	J	1	0.0398	U	1	0.0351	U	1	0.0392	U	1	0.0375	U	1	0.0391	U	1	0.00971	J	1	0.0123	J	1	0.0379	U	1	0.0401	U	1
Aroclor 1254	~	~	0.0349	U	1	0.0343	U	1	0.0398	U	1	0.0351	U	1	0.0392	U	1	0.0375	U	1	0.0391	U	1	0.0388	U	1	0.0383	U	1	0.0379	U	1	0.0401	U	1
Total PCBs	0.1	1	0.0336	J	1	0.0237	J	1	ND		1	ND		1	ND		1	ND		1	ND		1	0.00971	J	1	0.0123	J	1	ND		1	ND		1
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	0.0033	7.9	*0.032*	U	10	*0.0317*	U	10	*0.0364*	U	10	**0.0318**	J	10	*0.0366*	U	10	*0.033*	U	10	*0.0176*	U	5	*0.017*	U	5	*0.0342*	U	10	*0.0347*	U	10	*0.0351*	U	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	~	~	6000		2	6300		2	4800		2	7900		2	3700		2	6900		2	5600		2	7400		2	6600		2	7500		2	5900		2
Antimony	~	~	4.1	U	2	4.2	U	2	4.8	U	2	4.2	U	2	4.8	U	2	3.4	J	2	2.8	J	2	5.8		2	2	J	2	4.7	U	2	4.7	U	2
Arsenic	13	16	7.1		2	9.1		2	**54**		2	7.2		2	**46**		2	9.4		2	**34**		2	**17**		2	**14**		2	10		2	12		2
Barium	350	400	280		2	270		2	89		2	**390**		2	170		2	180		2	87		2	210		2	100		2	250		2	160		2
Beryllium	7.2	72	3.2		2	2.2		2	0.38	J	2	3.7		2	0.32	J	2	**7.8**		2	0.45	J	2	0.69		2	0.38	J	2	**10**		2	0.7		2
Cadmium	2.5	4.3	1.4		2	1.3		2	1.2		2	1.1		2	0.8	J	2	1.2		2	2.2		2	1		2	0.92		2	2.1		2	1.1		2
Calcium	~	~	54000		2	33000		2	7200		2	83000		2	7700		2	110000		10	20000		2	34000		2	14000		2	11000		2	13000		2
Chromium Trivalent	30	180	**53**		1	**37**		1	12		1	**43**		1	12		1	**57**		1	15		1	**31**		1	18		1	**74**		1	16		1
Chromium Hexavalent	1	110	0.88	U	1	0.87	U	1	1	U	1	0.88	U	1	0.99	U	1	0.68	J	1	0.39	J	1	0.71	J	1	0.65	J	1	0.96	U	1	0.97	U	1
Chromium, Total	~	~	53		2	37		2	12		2	43		2	12		2	57		2	15		2	31		2	18		2	74		2	16		2
Cobalt	~	~	45		2	29		2	8.7		2	25		2	3.6		2	25		2	15		2	59		2	7.6		2	34		2	13		2
Copper	50	270	**810**		2	**570**		2	**100**		2	**480**		2	**130**		2	**500**		2	**170**		2	**300**		2	**86**		2	**620**		2	**170**		2
Iron	~	~	34000		2	31000		2	29000		2	25000		2	26000		2	25000		2	42000		2	24000		2	21000		2	31000		2	26000		2
Lead	63	400	**860**		2	**700**		2	**150**		2	**1600**		2	**160**		2	**410**		2	**330**		2	**640**		2	**220**		2	**950**		2	**550**		2
Magnesium	~	~	20000		2	7000		2	1100		2	27000		2	720		2	7000		2	2400		2	3700		2	5000		2	1700		2	4600		2
Manganese	1600	2000	430		2	330		2	130		2	300		2	90		2	850		2	240		2	230		2	280		2	380		2	230		2
Mercury	0.18	2.8	**1.6**		1	**1.1**		1	**0.33**		1	**0.49**		1	**0.46**		1	**0.34**		1	**1**		1	**0.21**		1	**0.46**		1	**0.85**		1	**0.72**		1
Nickel	30	310	**76**		2	**51**		2	16		2	**44**		2	8.8		2	**51**		2	23		2	22		2	16		2	**63**		2	26		2
Potassium	~	~	790		2	830		2	870		2	1000		2	610		2	810		2	630		2	790		2	770		2	830		2	720		2
Selenium	3.9	180	0.48	J	2	0.72	J	2	**4.8**		2	0.66	J	2	**4**		2	1.7	U	2	3.4		2	0.5	J	2	0.91	J	2	1.2	J	2	1.1	J	2
Silver	2	180	0.28	J	2	0.27	J	2	0.96	U	2	0.84	U	2	0.96	U	2	0.17	J	2	0.94	U	2	0.94	U	2	0.92	U	2	1.5		2	0.94	U	2
Sodium	~	~	760		2	600		2	1100		2	810		2	790		2	760		2	480		2	520		2	320		2	470		2	210		2
Vanadium	~	~	18		2	20		2	19		2	24		2	15		2	24		2	18		2	28		2	29		2	18		2	19		2
Zinc	109	10000	**4700**		20	**2700**		20	64		2	**2800**		10	74		2	**2500**		10	**240**		2	**1400**		2	**230**		2	**3700**		20	**600**		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	0.19	J	1	0.42	J	1	2.2	J	1	0.13	J	1	0.71	J	1	1.6	J	1	1.9	J	1	1.4	J	1	1.8	J	1	4.7		1	0.61	J	1
Total Petroleum Hydrocarbons	~	~	317		2	528		2	152		1	403		2	492		5	1210		10	162		1	396		1	254		1	537		1	234		1
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	27	27	1	U	1	1	U	1	1.2	U	1	1	U	1	1.2	U	1	1.1	U	1	1.2	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1

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 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded.
4. NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances are bolded and in red.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor
9. ND = Not Detected

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 4B
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	G1_COMP-06S			G1_COMP-06D			G1_COMP-07S			G1_COMP-07D			G1_COMP-08S			G1_COMP-08D			G1_COMP-09S			G1_COMP-09D			G1_COMP-10S			G1_COMP-10D		
Client Sample ID			G1_COMP-06S_0-5			G1_COMP-06D_5-10			G1_COMP-07S_0-5			G1_COMP-07D_5-10			G1_COMP-08S_0-5			G1_COMP-08D_5-10			G1_COMP-09S_0-5			G1_COMP-09D_5-10			G1_COMP-10S_0-5			G1_COMP-10D_5-10		
Lab Sample ID			L1318158-07			L1318158-08			L1318164-04			L1318164-03			L1318164-06			L1318164-05			L1318162-01			L1318162-02			L1318161-03			L1318161-04		
Sample Date			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013		
Sample Depth (feet bgs)			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	~	~	2.8		1	0.4		1	0.18	J	2	0.24		1	3.6		10	0.091	J	1	0.7		2	1.1		2	1.2		1	11		10
3-Methylphenol	0.33	100	0.28	U	1	0.28	U	1	*0.52*	U	2	0.27	U	1	*2.6*	U	10	0.28	U	1	*0.52*	U	2	0.29	J	2	0.23	J	1	**0.87**	J	10
Acenaphthene	20	100	6.6		1	1.6		1	0.44		2	0.38		1	5.6		10	0.18		1	1.6		2	2.5		2	0.83		1	**22**		10
Acenaphthylene	100	100	0.71		1	0.23		1	0.13	J	2	0.17		1	1.4	U	10	0.16	U	1	0.46		2	1.8		2	0.15	J	1	4.3		10
Anthracene	100	100	6.5		1	4.1		1	1.4		2	1.2		1	9		10	0.4		1	3.8		2	5.8		2	1		1	44		10
Benzaldehyde	~	~	0.29		1	0.081	J	1	0.48	U	2	0.25	U	1	2.4	U	10	0.26	U	1	0.48	U	2	0.6	U	2	0.66		1	2.8	U	10
Benzo(a)anthracene	1	1	**3.8**		1	**7.5**		1	**3.5**		2	**3.1**		1	**13**		10	0.92		1	**6.3**		2	**9.8**		2	**1.4**		1	**80**		10
Benzo(a)pyrene	1	1	**2.1**		1	**6.8**		1	**2.8**		2	**3.3**		1	**12**		10	0.94		1	**6.8**		2	**10**		2	**1.3**		1	**82**		10
Benzo(b)fluoranthene	1	1	**3.3**		1	**6.4**		5	**3.4**		2	**4.2**		1	**15**		10	**1.1**		1	**7.4**		2	**12**		2	**1.6**		1	**88**		50
Benzo(g,h,i)perylene	100	100	1		1	4.1		1	1.6		2	2.4		1	7.7		10	0.57		1	4.3		2	6.3		2	0.88		1	57		10
Benzo(k)fluoranthene	0.8	3.9	**1.1**		1	**2.5**		1	**1.3**		2	**1.7**		1	**6.1**		10	0.39		1	**3.2**		2	**4**		2	0.78		1	**35**		10
Biphenyl (Diphenyl)	~	~	1		1	0.16	J	1	0.82	U	2	0.078	J	1	0.69	J	10	0.44	U	1	0.2	J	2	0.41	J	2	0.24	J	1	4	J	10
Bis(2-Ethylhexyl) Phthalate	~	~	0.09	J	1	0.19	U	1	0.15	J	2	0.053	J	1	1.8	U	10	0.074	J	1	0.36	U	2	0.46	U	2	0.22	U	1	2.2	U	10
Carbazole	~	~	3.2		1	1.4		1	0.42		2	0.4		1	3.4		10	0.14	J	1	1.3		2	2.1		2	0.53		1	28		10
Chrysene	1	3.9	**3.6**		1	**6.8**		1	**3.6**		2	**3.6**		1	**13**		10	0.94		1	**6.3**		2	**10**		2	**1.5**		1	**75**		10
Dibenz(a,h)anthracene	0.33	0.33	0.33		1	**1.3**		1	**0.43**		2	**0.59**		1	**2**		10	0.15		1	**1.3**		2	**1.5**		2	0.25		1	**20**		10
Dibenzofuran	7	59	4.4		1	1.2		1	0.39		2	0.4		1	3		10	0.15	J	1	0.86		2	2.1		2	0.62		1	**25**		10
Di-n-butylphthalate	~	~	0.19	U	1	0.19	U	1	0.36	U	2	0.19	U	1	1.8	U	10	0.2	U	1	0.36	U	2	0.46	U	2	0.044	J	1	2.2	U	10
Fluoranthene	100	100	13		5	15		5	6.3		2	6.7		1	28		10	1.9		1	11		2	25		4	3.6		1	**180**		50
Fluorene	30	100	6.1		1	1.9		1	0.47		2	0.5		1	5		10	0.18	J	1	1.6		2	2.7		2	0.72		1	28		10
Indeno(1,2,3-c,d)pyrene	0.5	0.5	**1.2**		1	**4.5**		1	**1.8**		2	**2.6**		1	**8.9**		10	**0.63**		1	**4.2**		2	**6.9**		2	**0.93**		1	**66**		10
Naphthalene	12	100	11		5	0.69		1	0.27	J	2	0.41		1	6.6		10	0.11	J	1	1.5		2	2.8		2	8.3		1	**35**		10
Phenanthrene	100	100	24		5	15		5	6.3		2	5.6		1	29		10	1.8		1	9		2	17		2	3.5		1	**220**		50
Phenol	0.33	100	0.19	U	1	0.19	U	1	*0.36*	U	2	0.19	U	1	*1.8*	U	10	0.2	U	1	*0.36*	U	2	0.17	J	2	0.22	U	1	*2.2*	U	10
Pyrene	100	100	9.5		5	12		5	6		2	6		1	24		10	1.6		1	10		2	18		2	2.9		1	**140**		50
Total SVOCs	~	~	105.62	J		93.661	J		40.88	J	2	43.621	J	1	195.59	J	10	12.265	J	1	81.82	J	2	142.27	J		33.164	J	1	1245.17	J	
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0383	U	1	0.0382	U	1	0.0213	J	1	0.0117	J	1	0.0336	J	1	0.0389	U	1	0.055		1	0.0436	U	1	0.0449	U	1	0.041	U	1
Aroclor 1254	~	~	0.0383	U	1	0.0382	U	1	0.0353	U	1	0.0249	J	1	0.0352	U	1	0.0389	U	1	0.0349	U	1	0.0436	U	1	0.0449	U	1	0.041	U	1
Total PCBs	0.1	1	ND		1	ND		1	0.0213	J	1	0.0366	J	1	0.0336	J	1	ND		1	0.055		1	ND		1	ND		1	ND		1
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	0.0033	7.9	*0.0329*	U	10	*0.0332*	U	10	*0.0331*	U	10	**0.0115**	J	5	*0.0309*	U	10	*0.0174*	U	5	**0.021**	J	10	*0.0397*	U	10	**0.0211**	J	10	*0.0371*	U	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	~	~	5900		2	5100		2	6700		2	3500		2	8400		2	6500		2	6900		2	4200		2	6700		2	12000		2
Antimony	~	~	4.5	U	2	1.3	J	2	4.2	U	2	1.2	J	2	4.2	U	2	4.6	U	2	4.3	U	2	5.7		2	5.3	U	2	5	U	2
Arsenic	13	16	11		2	11		2	6.3		2	**18**		2	13		2	**30**		2	9.6		2	12		2	**16**		2	13		2
Barium	350	400	140		2	120		2	200		2	120		2	340		2	110		2	160		2	**420**		2	150		2	180		2
Beryllium	7.2	72	2.1		2	0.39	J	2	4.2		2	0.21	J	2	4		2	1		2	4.9		2	0.44	J	2	0.52	J	2	1		2
Cadmium	2.5	4.3	0.83	J	2	0.77	J	2	1.5		2	0.66	J	2	1.4		2	1.6		2	1.2		2	1.8		2	0.69	J	2	1.2		2
Calcium	~	~	44000		2	11000		2	34000		2	18000		2	48000		2	13000		2	52000		2	9200		2	14000		2	14000		2
Chromium Trivalent	30	180	22		1	12		1	**54**		1	8.4		1	**54**		1	13		1	**39**		1	15		1	26		1	29		1
Chromium Hexavalent	1	110	0.23	J	1	0.94	U	1	0.89	U	1	0.92	U	1	0.88	U	1	0.94	U	1	0.89	U	1	*1.1*	U	1	*1.1*	U	1	1	U	1
Chromium, Total	~	~	22		2	12		2	54		2	8.4		2	54		2	13		2	39		2	15		2	26		2	29		2
Cobalt	~	~	16		2	7.6		2	56		2	5		2	29		2	10		2	37		2	7.1		2	4.9		2	20		2
Copper	50	270	**230**		2	**100**		2	**920**		2	**150**		2	**440**		2	**310**		2	**680**		2	**2900**		2	**66**		2	**180**		2
Iron	~	~	18000		2	15000		2	33000		2	14000		2	26000		2	28000		2	27000		2	26000		2	20000		2	20000		2
Lead	63	400	**320**		2	**310**		2	**810**		2	**330**		2	**680**		2	**380**		2	**460**		2	**370**		2	**210**		2	**370**		2
Magnesium	~	~	14000		2	2300		2	11000		2	1400		2	14000		2	1200		2	18000		2	1500		2	2700		2	3000		2
Manganese	1600	2000	210		2	270		2	440		2	180		2	280		2	120		2	310		2	230		2	140		2	800		2
Mercury	0.18	2.8	**0.2**		1	**0.45**		1	**1.4**		1	**1.2**		1	**0.22**		1	**1.5**		1	0.12		1	**0.64**		1	**0.47**		1	**0.91**		1
Nickel	30	310	29		2	15		2	**92**		2	13		2	**51**		2	17		2	**69**		2	16		2	14		2	29		2
Potassium	~	~	760		2	780		2	820		2	570		2	1300		2	860		2	910		2	920		2	930		2	1700		2
Selenium	3.9	180	1.8		2	1.1	J	2	0.49	J	2	2.6		2	0.69	J	2	2.4		2	0.8	J	2	1.3	J	2	1.7	J	2	0.8	J	2
Silver	2	180	0.9	U	2	0.92	U	2	0.32	J	2	0.88	U	2	0.85	U	2	0.21	J	2	0.2	J	2	0.25	J	2	1.1	U	2	0.99	U	2
Sodium	~	~	240		2	160	J	2	710		2	440		2	560		2	550		2	710		2	460		2	420		2	460		2
Vanadium	~	~	19		2	18		2	19		2	13		2	24		2	21		2	18		2	17		2	46		2	26		2
Zinc	109	10000	**1200**		2	**400**		2	**5400**		10	**130**		2	**2500**		10	**220**		2	**3800**		10	**690**		2	**110**		2	**240**		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	4.9		1	20		1	1.6	J	1	0.2	J	1	1.6	J	1	1.8	J	1	1.5	J	1	2	J	1	30		1	0.7	J	1
Total Petroleum Hydrocarbons	~	~	548		2	320		1	264		1	322		1	402		1	148		1	1020		2	789		2	414		1	2430		10
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	27	27	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1	U	1	1.1	U	1	1	U	1	1.4	U	1	1.3	U	1	1.3	U	1

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 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded.
4. NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances are bolded and in red.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor
9. ND = Not Detected

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 4C
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location			G1_SB-01A			G1_SB-01B			G1_SB-02A			G1_SB-02A			G1_SB-03B			G1_SB-03B			G1_SB-04A			G1_SB-04A			G1_SB-05B			G1_SB-05B		
Client Sample ID			G1_SB-01A_9-9.5			G1_SB-01B_4-4.5		G1_DUP_091313_4-4.5	G1_SB-02A_2.5-3			G1_SB-02A_8-8.5			G1_SB-03B_4-4.5			G1_SB-03B_9-9.5			G1_SB-04A_2-2.5			G1_SB-04A_9-9.5			G1_SB-05B_3-3.5			G1_SB-05B_8-8.5		
Lab Sample ID	**NJ RDCSRS**	**NJ NRDCSRS**	L1318158-10			L1318158-09		L1318158-13	L1318159-02			L1318159-03			L1318009-07			L1318009-08			L1318009-05			L1318009-03			L1318158-02			L1318158-01		
Sample Date			09/13/2013			09/13/2013		09/13/2013	09/13/2013			09/13/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013		
Sample Depth (feet bgs)			9 to 9.5			4 to 4.5		4 to 4.5	2.5 to 3			8 to 8.5			4 to 4.5			9 to 9.5			2 to 2.5			9 to 9.5			3 to 3.5			8 to 8.5		
Volatile Organic Compounds (mg/kg)																																
1,2,4,5-Tetramethylbenzene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32	U	1	0.006	U	1	0.049	J	1	0.0049	U	1	0.37	U	1	0.0053	U	1
1,2,4-Trimethylbenzene	~	~	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.4	U	1	0.0075	U	1	0.059	J	1	0.0061	U	1	0.24	J	1	0.0066	U	1
1,2-Dichloroethane	0.9	3	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	**1.1**		1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.092	U	1	0.0013	U	1
1,3,5-Trimethylbenzene (Mesitylene)	~	~	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.035	J	1	0.0075	U	1	0.067	J	1	0.0061	U	1	0.16	J	1	0.0066	U	1
1,4-Diethyl Benzene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.023	J	1	0.006	U	1	0.077	J	1	0.0049	U	1	0.37	U	1	0.0053	U	1
4-Ethyltoluene	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32	U	1	0.006	U	1	0.037	J	1	0.0049	U	1	0.14	J	1	0.0053	U	1
Acetone	70,000	~	0.012	J	1	0.01	U	1	0.01	U	1	0.012	U	1	0.018		1	0.26	J	1	0.0065	J	1	0.8	U	1	0.0056	J	1	0.92	U	1	0.0078	J	1
Benzene	2	51	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.017	J	1	0.0015	U	1	0.021	J	1	0.0012	U	1	0.21		1	0.0013	U	1
Bromomethane	25	59	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.063	J	1	0.0024	U	1	0.18	U	1	0.0026	U	1
Carbon Disulfide	7,800	110,000	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.015	U	1	0.81	U	1	0.015	U	1	0.8	U	1	0.012	U	1	0.92	U	1	0.013	U	1
Chloromethane	4	12	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0074	U	1	0.4	U	1	0.0075	U	1	0.4	U	1	0.0061	U	1	0.46	U	1	0.0066	U	1
Cyclohexane	~	~	0.033	U	1	0.021	U	1	0.02	U	1	0.024	U	1	0.03	U	1	0.093	J	1	0.03	U	1	1.6	U	1	0.024	U	1	0.35	J	1	0.026	U	1
Cymene	~	~	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.023	J	1	0.0013	U	1
Ethylbenzene	7,800	110,000	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.015	J	1	0.0012	U	1	0.09	J	1	0.0013	U	1
Isopropylbenzene (Cumene)	~	~	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.018	J	1	0.0012	U	1	0.027	J	1	0.0013	U	1
Methyl Acetate	78,000	~	0.033	U	1	0.021	U	1	0.02	U	1	0.024	U	1	0.03	U	1	1.6	U	1	0.03	U	1	1.6	U	1	0.024	U	1	0.3	J	1	0.026	U	1
Methyl Ethyl Ketone (2-Butanone)	3,100	44,000	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.0044	J	1	0.81	U	1	0.015	U	1	0.8	U	1	0.012	U	1	0.92	U	1	0.013	U	1
Methylcyclohexane	~	~	0.0066	U	1	0.0042	U	1	0.004	U	1	0.0047	U	1	0.0059	U	1	0.32		1	0.006	U	1	0.13	J	1	0.0049	U	1	1.2		1	0.0053	U	1
Methylene Chloride	34	97	0.016	U	1	0.01	U	1	0.01	U	1	0.012	U	1	0.015	U	1	0.81	U	1	0.015	U	1	0.21	J	1	0.012	U	1	0.92	U	1	0.013	U	1
M-P-Xylene	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.051	J	1	0.003	U	1	0.066	J	1	0.0024	U	1	0.41		1	0.0026	U	1
Naphthalene	6	17	0.0082	U	1	0.0052	U	1	0.005	U	1	0.0059	U	1	0.0058	J	1	0.065	J	1	0.0075	U	1	0.78		1	0.0061	U	1	0.33	J	1	0.0066	U	1
N-Propylbenzene	~	~	0.0016	U	1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.081	U	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.032	J	1	0.0013	U	1
O-Xylene (1,2-Dimethylbenzene)	~	~	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.16	U	1	0.0024	U	1	0.18		1	0.0026	U	1
Styrene	90	260	0.0033	U	1	0.0021	U	1	0.002	U	1	0.0024	U	1	0.003	U	1	0.16	U	1	0.003	U	1	0.16	U	1	0.0024	U	1	0.18	U	1	0.0026	U	1
Toluene	6,300	91,000	0.0025	U	1	0.0016	U	1	0.0015	U	1	0.0018	U	1	0.0022	U	1	0.067	J	1	0.0022	U	1	0.047	J	1	0.0018	U	1	0.43		1	0.002	U	1
Trichloroethylene (TCE)	7	20	0.0016		1	0.001	U	1	0.001	U	1	0.0012	U	1	0.0015	U	1	0.022	J	1	0.0015	U	1	0.08	U	1	0.0012	U	1	0.092	U	1	0.0013	U	1
Xylene (Total)	12,000	170,000	ND			ND			ND			ND			0.051	J		ND			0.066	J		ND			0.59			ND		

Notes:
1. Grab soil sample analytical results are compared to the N .J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are highlighted and bolded.
4. There are no reported NJ NRDCSRS exceedances.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.
D^{25} = Sample required dilution; 25 = dilution factor

Table 4C
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location Client Sample ID Lab Sample ID Sample Date Sample Depth (feet bgs)	NJ RDCSRS	NJ NRDCSRS	G1_SB-06A G1_SB-06A_3-3.5 L1318158-05 09/13/2013 3 to 3.5			G1_SB-06A G1_SB-06A_7-7.5 L1318158-06 09/13/2013 7 to 7.5			G1_SB-07A G1_SB-07A_3.5-4 L1318164-01 09/13/2013 3.5 to 4			G1_SB-07A G1_SB-07A_9-9.5 L1318164-02 09/13/2013 9 to 9.5			G1_SB-08A G1_SB-08A_4.5-5 L1318164-08 09/13/2013 4.5 to 5			G1_SB-08A G1_SB-08A_9-9.5 L1318164-07 09/13/2013 9 to 9.5			G1_SB-09A G1_SB-09A_3.5-4 L1318162-04 09/13/2013 3.5 to 4			G1_SB-09A G1_SB-09A_9.5-10 L1318162-03 09/13/2013 9.5 to 10			G1_SB-10B G1_SB-10B_4-4.5 L1318161-01 09/13/2013 4 to 4.5			G1_SB-10B G1_SB-10B_9.5-10 L1318161-02 09/13/2013 9.5 to 10		
Volatile Organic Compounds (mg/kg)																																	
1,2,4,5-Tetramethylbenzene	~	~	0.0035	J	1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
1,2,4-Trimethylbenzene	~	~	0.017		1	*14*	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.007	U	1	0.0046	U	1
1,2-Dichloroethane	0.9	3	0.0016	U	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
1,3,5-Trimethylbenzene (Mesitylene)	~	~	0.0082		1	*14*	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.007	U	1	0.0046	U	1
1,4-Diethyl Benzene	~	~	0.011		1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
4-Ethyltoluene	~	~	0.0072		1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
Acetone	70,000	~	0.032		1	*28*	U	25	0.0095	U	1	0.033		1	0.0088	U	1	0.049		1	0.013	U	1	0.015	U	1	0.0082	J	1	0.0063	J	1
Benzene	2	51	0.0016	U	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Bromomethane	25	59	0.0032	U	1	5.6	U	25	0.0019	U	1	0.00063	J	1	0.00039	J	1	0.00066	J	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Carbon Disulfide	7,800	110,000	0.016	U	1	28	U	25	0.0095	U	1	0.012	U	1	0.0088	U	1	0.012	U	1	0.013	U	1	0.015	U	1	0.011	J	1	0.0092	U	1
Chloromethane	4	12	0.0081	U	1	*14*	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0077	U	1	0.011		1	0.0046	U	1
Cyclohexane	~	~	0.032	U	1	56	U	25	0.019	U	1	0.024	U	1	0.018	U	1	0.024	U	1	0.025	U	1	0.031	U	1	0.028	U	1	0.018	U	1
Cymene	~	~	0.028		1	73		25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.01		1	0.00092	U	1
Ethylbenzene	7,800	110,000	0.0011	J	1	*2.8*	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Isopropylbenzene (Cumene)	~	~	0.00059	J	1	2.8	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
Methyl Acetate	78,000	~	0.032	U	1	56	U	25	0.019	U	1	0.024	U	1	0.018	U	1	0.024	U	1	0.025	U	1	0.031	U	1	0.028	U	1	0.018	U	1
Methyl Ethyl Ketone (2-Butanone)	3,100	44,000	0.016	U	1	*28*	U	25	0.0095	U	1	0.0053	J	1	0.0088	U	1	0.0067	J	1	0.013	U	1	0.015	U	1	0.014	U	1	0.0092	U	1
Methylcyclohexane	~	~	0.0065	U	1	11	U	25	0.0038	U	1	0.0047	U	1	0.0035	U	1	0.0048	U	1	0.0051	U	1	0.0061	U	1	0.0056	U	1	0.0037	U	1
Methylene Chloride	34	97	0.016	U	1	*28*	U	25	0.0095	U	1	0.012	U	1	0.0088	U	1	0.012	U	1	0.013	U	1	0.015	U	1	0.014	U	1	0.0092	U	1
M-P-Xylene	~	~	0.0042		1	5.6	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Naphthalene	6	17	**100**		5	14	U	25	0.0047	U	1	0.0059	U	1	0.0044	U	1	0.006	U	1	0.0063	U	1	0.0013	J	1	0.018		1	0.0046	U	1
N-Propylbenzene	~	~	0.0016	U	1	2.8	U	25	0.00095	U	1	0.0012	U	1	0.00088	U	1	0.0012	U	1	0.0013	U	1	0.0015	U	1	0.0014	U	1	0.00092	U	1
O-Xylene (1,2-Dimethylbenzene)	~	~	0.0034		1	*5.6*	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Styrene	90	260	0.0013	J	1	5.6	U	25	0.0019	U	1	0.0024	U	1	0.0018	U	1	0.0024	U	1	0.0025	U	1	0.0031	U	1	0.0028	U	1	0.0018	U	1
Toluene	6,300	91,000	0.00065	J	1	0.77	J	25	0.0014	U	1	0.0018	U	1	0.0013	U	1	0.0018	U	1	0.00028	J	1	0.0023	U	1	0.0021	U	1	0.0014	U	1
Trichloroethylene (TCE)	7	20	0.0016	U	1	*2.8*	U	25	0.0014		1	0.0012	U	1	0.00038	J	1	0.0012	U	1	0.024		1	0.0004	J	1	0.0014	U	1	0.00092	U	1
Xylene (Total)	12,000	170,000	0.0176			ND			ND			ND			ND			ND			ND			ND			ND			ND		

Notes:
1. Grab soil sample analytical results are compared to the N .J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are highlighted and bolded.
4. There are no reported NJ NRDCSRS exceedances.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.
D^{25} = Sample required dilution; 25 = dilution factor

Table 4D
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location			G1_COMP-01S						G1_COMP-01D			G1_COMP-02S			G1_COMP-02D			G1_COMP-03S			G1_COMP-03D			G1_COMP-04S			G1_COMP-04D			G1_COMP-05S			G1_COMP-05D		
Client Sample ID	NJ RDCSRS	NJ NRDCSRS	G1_COMP-01S_0-5			G1_COMP-DUP_091313_S			G1_COMP-01D_5-10			G1_COMP-02S_0-5			G1_COMP-02D_5-10			G1_COMP-03S_0-5			G1_COMP-03D_5-10			G1_COMP-04S_0-5			G1_COMP-04D_5-10			G1_COMP-05S_0-5			G1_COMP-05D_5-10		
Lab Sample ID			L1318158-12			L1318158-14			L1318158-11			L1318159-04			L1318159-05			L1318009-10			L1318009-09			L1318009-06			L1318009-04			L1318158-04			L1318158-03		
Sample Date			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013		
Sample Depth (feet bgs)			0 to 5			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	230	2,400	0.16	J	1	0.12	J	2	0.32		1	0.13	J	2	0.32		1	0.37	J	4	0.27	J	2	0.41		1	0.25	J	4	0.27		1	0.27		1
3-Methylphenol	~	~	0.26	U	1	0.51	U	2	0.3	U	1	0.52	U	2	0.29	U	1	1.1	U	4	0.58	U	2	0.28	U	1	1.1	U	4	0.28	U	1	0.29	U	1
Acenaphthene	3,400	37,000	0.3		1	0.29		2	0.5		1	0.63		2	0.64		1	1		4	0.7		2	0.55		1	1.5		4	0.74		1	0.88		1
Acenaphthylene	~	300,000	0.24		1	0.43		2	0.18		1	0.26	J	2	0.16		1	0.14	J	4	0.15	J	2	0.11	J	1	0.28	J	4	0.19		1	0.21		1
Anthracene	17,000	30,000	0.94		1	1		2	1.7		1	1.9		2	1.4		1	2.6		4	2		2	1.8		1	4.2		4	1.9		1	2.1		1
Benzaldehyde	6,100	68,000	0.24	U	1	0.47	U	2	0.12	J	1	0.48	U	2	0.2	J	1	0.99	U	4	0.53	U	2	0.26	U	1	1	U	4	0.13	J	1	0.11	J	1
Benzo(a)anthracene	0.6	2	**2.1**		1	**2.1**		2	**4.7**		1	**4.4**		2	**2.8**		1	**4.9**		4	**3.1**		2	**3.1**		1	**8.5**		4	**4.8**		1	**3.7**		1
Benzo(a)pyrene	0.2	0.2	**1.9**		1	**1.9**		2	**5.2**		1	**3.5**		2	**2.9**		1	**4.1**		4	**2.7**		2	**2.7**		1	**8.1**		4	**5**		1	**3.8**		1
Benzo(b)fluoranthene	0.6	2	**2.1**		1	**2.2**		2	**6.5**		1	**4.6**		2	**3.5**		1	**5**		4	**3.4**		2	**3.4**		1	**9.5**		4	**7.1**		1	**4.8**		1
Benzo(g,h,i)perylene	380,000	30,000	1.2		1	1.6		2	3.9		1	2.3		2	1.9		1	2.2		4	1.6		2	1.5		1	4.9		4	3.4		1	2.4		1
Benzo(k)fluoranthene	6	23	0.97		1	0.86		2	2.3		1	1.7		2	1.4		1	2		4	1.3		2	1.2		1	3.1		4	2.2		1	1.8		1
Biphenyl (Diphenyl)	3,100	34,000	0.41	U	1	0.81	U	2	0.13	J	1	0.82	U	2	0.12	J	1	1.7	U	4	0.92	U	2	0.12	J	1	1.8	U	4	0.082	J	1	0.099	J	1
Bis(2-Ethylhexyl) Phthalate	35	140	0.18	U	1	0.35	U	2	0.21	U	1	0.36	U	2	0.2	U	1	0.4	J	4	0.4	U	2	0.33		1	0.78	U	4	0.2	U	1	0.2	U	1
Carbazole	24	96	0.33		1	0.33	J	2	0.58		1	0.7		2	0.65		1	0.76		4	0.48		2	0.54		1	1.2		4	0.78		1	0.8		1
Chrysene	62	230	2.2		1	2		2	4.8		1	4.2		2	3.2		1	4.7		4	3.3		2	2.9		1	9.6		4	4.8		1	3.6		1
Dibenz(a,h)anthracene	0.2	0.2	**0.34**		1	**0.36**		2	**0.96**		1	**0.72**		2	**0.6**		1	**0.66**		4	**0.44**		2	**0.44**		1	**1.2**		4	**1.2**		1	**0.7**		1
Dibenzofuran	~	~	0.26		1	0.22	J	2	0.67		1	0.38		2	0.59		1	0.73	J	4	0.63		2	0.65		1	0.84		4	0.57		1	0.61		1
Di-n-butylphthalate	6,100	68,000	0.18	U	1	0.35	U	2	0.21	U	1	0.12	J	2	0.2	U	1	0.75	U	4	0.4	U	2	0.05	J	1	0.78	U	4	0.2	U	1	0.2	U	1
Fluoranthene	2,300	24,000	4.2		1	4		2	12		2	8.8		2	6.5		1	10		4	7.7		2	6.3		1	20		4	5.5		1	6.7		1
Fluorene	2,300	24,000	0.37		1	0.33	J	2	0.83		1	0.61		2	0.84		1	1.1		4	0.88		2	0.78		1	1.8		4	0.93		1	0.98		1
Indeno(1,2,3-c,d)pyrene	0.6	2	**1.3**		1	**1.7**		2	**4.3**		1	**2.6**		2	**2.1**		1	**2.6**		4	**1.8**		2	**1.8**		1	**5.2**		4	**3.7**		1	**2.7**		1
Naphthalene	6	17	0.21		1	0.19	J	2	1.1		1	0.17	J	2	0.73		1	0.81		4	0.36	J	2	0.81		1	0.4	J	4	0.4		1	0.38		1
Phenanthrene	~	300,000	3.8		1	3.3		2	7		1	7.6		2	5.5		1	9.8		4	7.9		2	6		1	17		4	5.3		1	6.6		1
Phenol	18,000	210,000	0.18	U	1	0.35	U	2	0.21	U	1	0.36	U	2	0.2	U	1	0.75	U	4	0.4	U	2	0.2	U	1	0.78	U	4	0.2	U	1	0.2	U	1
Pyrene	1,700	18,000	3.8		1	3.7		2	8.2		1	7.4		2	5.3		1	8.4		4	6.5		2	5		1	20		4	6.3		1	6.6		1
Total SVOCs	~	~	26.72	J	1	26.63	J	2	65.99	J		52.72	J	2	41.35	J	1	62.27	J	4	45.21	J	2	40.49	J	1	117.57	J	4	55.292	J	1	49.839	J	1
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0336	J	1	0.0237	J	1	0.0398	U	1	0.0351	U	1	0.0392	U	1	0.0375	U	1	0.0391	U	1	0.00971	J	1	0.0123	J	1	0.0379	U	1	0.0401	U	1
Aroclor 1254	~	~	0.0349	U	1	0.0343	U	1	0.0398	U	1	0.0351	U	1	0.0392	U	1	0.0375	U	1	0.0391	U	1	0.0388	U	1	0.0383	U	1	0.0379	U	1	0.0401	U	1
Total PCBs	0.2	1	0.0336	J	1	0.0237	J	1	ND		1	ND		1	ND		1	ND		1	ND		1	0.00971	J	1	0.0123	J	1	ND		1	ND		1
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	2	8	0.032	U	10	0.0317	U	10	0.0364	U	10	0.0318	J	10	0.0366	U	10	0.033	U	10	0.0176	U	5	0.017	U	5	0.0342	U	10	0.0347	U	10	0.0351	U	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	78,000	~	6000		2	6300		2	4800		2	7900		2	3700		2	6900		2	5600		2	7400		2	6600		2	7500		2	5900		2
Antimony	31	450	4.1	U	2	4.2	U	2	4.8	U	2	4.2	U	2	4.8	U	2	3.4	J	2	2.8	J	2	5.8		2	2	J	2	4.7	U	2	4.7	U	2
Arsenic	19	19	7.1		2	9.1		2	**54**		2	7.2		2	**46**		2	9.4		2	**34**		2	17		2	14		2	10		2	12		2
Barium	16,000	59,000	280		2	270		2	89		2	390		2	170		2	180		2	87		2	210		2	100		2	250		2	160		2
Beryllium	16	140	3.2		2	2.2		2	0.38	J	2	3.7		2	0.32	J	2	7.8		2	0.45	J	2	0.69		2	0.38	J	2	10		2	0.7		2
Cadmium	78	78	1.4		2	1.3		2	1.2		2	1.1		2	0.8	J	2	1.2		2	2.2		2	1		2	0.92		2	2.1		2	1.1		2
Calcium	~	~	54000		2	33000		2	7200		2	83000		2	7700		2	110000		10	20000		2	34000		2	14000		2	11000		2	13000		2
Chromium Trivalent	~	~	53		1	37		1	12		1	43		1	12		1	57		1	15		1	31		1	18		1	74		1	16		1
Chromium Hexavalent	~	~	0.88	U	1	0.87	U	1	1	U	1	0.88	U	1	0.99	U	1	0.68	J	1	0.39	J	1	0.71	J	1	0.65	J	1	0.96	U	1	0.97	U	1
Chromium, Total	~	~	53		2	37		2	12		2	43		2	12		2	57		2	15		2	31		2	18		2	74		2	16		2
Cobalt	1,600	590	45		2	29		2	8.7		2	25		2	3.6		2	25		2	15		2	59		2	7.6		2	34		2	13		2
Copper	3,100	45,000	810		2	570		2	100		2	480		2	130		2	500		2	170		2	300		2	86		2	620		2	170		2
Iron	~	~	34000		2	31000		2	29000		2	25000		2	26000		2	25000		2	42000		2	24000		2	21000		2	31000		2	26000		2
Lead	400	800	**860**		2	**700**		2	150		2	**1600**		2	160		2	**410**		2	330		2	**640**		2	220		2	**950**		2	**550**		2
Magnesium	~	~	20000		2	7000		2	1100		2	27000		2	720		2	7000		2	2400		2	3700		2	5000		2	1700		2	4600		2
Manganese	11,000	5,900	430		2	330		2	130		2	300		2	90		2	850		2	240		2	230		2	280		2	380		2	230		2
Mercury	23	65	1.6		1	1.1		1	0.33		1	0.49		1	0.46		1	0.34		1	1		1	0.21		1	0.46		1	0.85		1	0.72		1
Nickel	1,600	23,000	76		2	51		2	16		2	44		2	8.8		2	51		2	23		2	22		2	16		2	63		2	26		2
Potassium	~	~	790		2	830		2	870		2	1000		2	610		2	810		2	630		2	790		2	770		2	830		2	720		2
Selenium	390	5,700	0.48	J	2	0.72	J	2	4.8		2	0.66	J	2	4		2	1.7	U	2	3.4		2	0.5	J	2	0.91	J	2	1.2	J	2	1.1	J	2
Silver	390	5,700	0.28	J	2	0.27	J	2	0.96	U	2	0.84	U	2	0.96	U	2	0.17	J	2	0.94	U	2	0.94	U	2	0.92	U	2	1.5		2	0.94	U	2
Sodium	~	~	760		2	600		2	1100		2	810		2	790		2	760		2	480		2	520		2	320		2	470		2	210		2
Vanadium	78	1,100	18		2	20		2	19		2	24		2	15		2	24		2	18		2	28		2	29		2	18		2	19		2
Zinc	23,000	110,000	4700		20	2700		20	64		2	2800		10	74		2	2500		10	240		2	1400		2	230		2	3700		20	600		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	0.19	J	1	0.42	J	1	2.2	J	1	0.13	J	1	0.71	J	1	1.6	J	1	1.9	J	1	1.4	J	1	1.8	J	1	4.7		1	0.61	J	1
Total Petroleum Hydrocarbons	~	~	317		2	528		2	152		1	403		2	492		5	1210		10	162		1	396		1	254		1	537		1	234		1
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	1,600	23,000	1	U	1	1	U	1	1.2	U	1	1	U	1	1.2	U	1	1.1	U	1	1.2	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1

Notes:
1. Grab soil sample analytical results are compared to the N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are shaded and bolded.
4. NJ NRDCSRS exceedances are bolded and in red.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor
9. ND = Not Detected

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 4D
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NJ RDCSRS	NJ NRDCSRS	G1_COMP-06S			G1_COMP-06D			G1_COMP-07S			G1_COMP-07D			G1_COMP-08S			G1_COMP-08D			G1_COMP-09S			G1_COMP-09D			G1_COMP-10S			G1_COMP-10D		
Client Sample ID			G1_COMP-06S_0-5			G1_COMP-06D_5-10			G1_COMP-07S_0-5			G1_COMP-07D_5-10			G1_COMP-08S_0-5			G1_COMP-08D_5-10			G1_COMP-09S_0-5			G1_COMP-09D_5-10			G1_COMP-10S_0-5			G1_COMP-10D_5-10		
Lab Sample ID			L1318158-07			L1318158-08			L1318164-04			L1318164-03			L1318164-06			L1318164-05			L1318162-01			L1318162-02			L1318161-03			L1318161-04		
Sample Date			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013		
Sample Depth (feet bgs)			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	230	2,400	2.8		1	0.4		1	0.18	J	2	0.24		1	3.6		10	0.091	J	1	0.7		2	1.1		2	1.2		1	11		10
3-Methylphenol	~	~	0.28	U	1	0.28	U	1	0.52	U	2	0.27	U	1	2.6	U	10	0.28	U	1	0.52	U	2	0.29	J	2	0.23	J	1	0.87	J	10
Acenaphthene	3,400	37,000	6.6		1	1.6		1	0.44		2	0.38		1	5.6		10	0.18		1	1.6		2	2.5		2	0.83		1	22		10
Acenaphthylene	~	300,000	0.71		1	0.23		1	0.13	J	2	0.17		1	1.4	U	10	0.16	U	1	0.46		2	1.8		2	0.15	J	1	4.3		10
Anthracene	17,000	30,000	6.5		1	4.1		1	1.4		2	1.2		1	9		10	0.4		1	3.8		2	5.8		2	1		1	44		10
Benzaldehyde	6,100	68,000	0.29		1	0.081	J	1	0.48	U	2	0.25	U	1	2.4	U	10	0.26	U	1	0.48	U	2	0.6	U	2	0.66		1	2.8	U	10
Benzo(a)anthracene	0.6	2	**3.8**		1	**7.5**		1	**3.5**		2	**3.1**		1	**13**		10	**0.92**		1	**6.3**		2	**9.8**		2	**1.4**		1	**80**		10
Benzo(a)pyrene	0.2	0.2	**2.1**		1	**6.8**		1	**2.8**		2	**3.3**		1	**12**		10	**0.94**		1	**6.8**		2	**10**		2	**1.3**		1	**82**		10
Benzo(b)fluoranthene	0.6	2	**3.3**		1	**6.4**		5	**3.4**		2	**4.2**		1	**15**		10	**1.1**		1	**7.4**		2	**12**		2	**1.6**		1	**88**		50
Benzo(g,h,i)perylene	380,000	30,000	1		1	4.1		1	1.6		2	2.4		1	7.7		10	0.57		1	4.3		2	6.3		2	0.88		1	57		10
Benzo(k)fluoranthene	6	23	1.1		1	2.5		1	1.3		2	1.7		1	**6.1**		10	0.39		1	3.2		2	4		2	0.78		1	**35**		10
Biphenyl (Diphenyl)	3,100	34,000	1		1	0.16	J	1	0.82	U	2	0.078	J	1	0.69	J	10	0.44	U	1	0.2	J	2	0.41	J	2	0.24	J	1	4	J	10
Bis(2-Ethylhexyl) Phthalate	35	140	0.09	J	1	0.19	U	1	0.15	J	2	0.053	J	1	1.8	U	10	0.074	J	1	0.36	U	2	0.46	U	2	0.22	U	1	2.2	U	10
Carbazole	24	96	3.2		1	1.4		1	0.42		2	0.4		1	3.4		10	0.14	J	1	1.3		2	2.1		2	0.53		1	**28**		10
Chrysene	62	230	3.6		1	6.8		1	3.6		2	3.6		1	13		10	0.94		1	6.3		2	10		2	1.5		1	**75**		10
Dibenz(a,h)anthracene	0.2	0.2	**0.33**		1	**1.3**		1	**0.43**		2	**0.59**		1	**2**		10	0.15		1	**1.3**		2	**1.5**		2	**0.25**		1	**20**		10
Dibenzofuran	~	~	4.4		1	1.2		1	0.39		2	0.4		1	3		10	0.15	J	1	0.86		2	2.1		2	0.62		1	25		10
Di-n-butylphthalate	6,100	68,000	0.19	U	1	0.19	U	1	0.36	U	2	0.19	U	1	1.8	U	10	0.2	U	1	0.36	U	2	0.46	U	2	0.044	J	1	2.2	U	10
Fluoranthene	2,300	24,000	13		5	15		5	6.3		2	6.7		1	28		10	1.9		1	11		2	25		4	3.6		1	180		50
Fluorene	2,300	24,000	6.1		1	1.9		1	0.47		2	0.5		1	5		10	0.18	J	1	1.6		2	2.7		2	0.72		1	28		10
Indeno(1,2,3-c,d)pyrene	0.6	2	**1.2**		1	**4.5**		1	**1.8**		2	**2.6**		1	**8.9**		10	**0.63**		1	**4.2**		2	**6.9**		2	**0.93**		1	**66**		10
Naphthalene	6	17	**11**		5	0.69		1	0.27	J	2	0.41		1	**6.6**		10	0.11	J	1	1.5		2	2.8		2	**8.3**		1	**35**		10
Phenanthrene	~	300,000	24		5	15		5	6.3		2	5.6		1	29		10	1.8		1	9		2	17		2	3.5		1	220		50
Phenol	18,000	210,000	0.19	U	1	0.19	U	1	0.36	U	2	0.19	U	1	1.8	U	10	0.2	U	1	0.36	U	2	0.17	J	2	0.22	U	1	2.2	U	10
Pyrene	1,700	18,000	9.5		5	12		5	6		2	6		1	24		10	1.6		1	10		2	18		2	2.9		1	140		50
Total SVOCs	~	~	105.62	J		93.661	J		40.88	J	2	43.621	J	1	195.59	J	10	12.265	J	1	81.82	J	2	142.27	J		33.164	J	1	1245.17	J	
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0383	U	1	0.0382	U	1	0.0213	J	1	0.0117	J	1	0.0336	J	1	0.0389	U	1	0.055		1	0.0436	U	1	0.0449	U	1	0.041	U	1
Aroclor 1254	~	~	0.0383	U	1	0.0382	U	1	0.0353	U	1	0.0249	J	1	0.0352	U	1	0.0389	U	1	0.0349	U	1	0.0436	U	1	0.0449	U	1	0.041	U	1
Total PCBs	0.2	1	ND		1	ND		1	0.0213	J	1	0.0366	J	1	0.0336	J	1	ND		1	0.055		1	ND		1	ND		1	ND		1
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	2	8	0.0329	U	10	0.0332	U	10	0.0331	U	10	0.0115	J	5	0.0309	U	10	0.0174	U	5	0.021	J	10	0.0397	U	10	0.0211	J	10	0.0371	U	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	78,000	~	5900		2	5100		2	6700		2	3500		2	8400		2	6500		2	6900		2	4200		2	6700		2	12000		2
Antimony	31	450	4.5	U	2	1.3	J	2	4.2	U	2	1.2	J	2	4.2	U	2	4.6	U	2	4.3	U	2	5.7		2	5.3	U	2	5	U	2
Arsenic	19	19	11		2	11		2	6.3		2	18		2	13		2	**30**		2	9.6		2	12		2	16		2	13		2
Barium	16,000	59,000	140		2	120		2	200		2	120		2	340		2	110		2	160		2	420		2	150		2	180		2
Beryllium	16	140	2.1		2	0.39	J	2	4.2		2	0.21	J	2	4		2	1		2	4.9		2	0.44	J	2	0.52	J	2	1		2
Cadmium	78	78	0.83	J	2	0.77	J	2	1.5		2	0.66	J	2	1.4		2	1.6		2	1.2		2	1.8		2	0.69	J	2	1.2		2
Calcium	~	~	44000		2	11000		2	34000		2	18000		2	48000		2	13000		2	52000		2	9200		2	14000		2	14000		2
Chromium Trivalent	~	~	22		1	12		1	54		1	8.4		1	54		1	13		1	39		1	15		1	26		1	29		1
Chromium Hexavalent	~	~	0.23	J	1	0.94	U	1	0.89	U	1	0.92	U	1	0.88	U	1	0.94	U	1	0.89	U	1	1.1	U	1	1.1	U	1	1	U	1
Chromium, Total	~	~	22		2	12		2	54		2	8.4		2	54		2	13		2	39		2	15		2	26		2	29		2
Cobalt	1,600	590	16		2	7.6		2	56		2	5		2	29		2	10		2	37		2	7.1		2	4.9		2	20		2
Copper	3,100	45,000	230		2	100		2	920		2	150		2	440		2	310		2	680		2	2900		2	66		2	180		2
Iron	~	~	18000		2	15000		2	33000		2	14000		2	26000		2	28000		2	27000		2	26000		2	20000		2	20000		2
Lead	400	800	320		2	310		2	**810**		2	330		2	**680**		2	380		2	**460**		2	370		2	210		2	370		2
Magnesium	~	~	14000		2	2300		2	11000		2	1400		2	14000		2	1200		2	18000		2	1500		2	2700		2	3000		2
Manganese	11,000	5,900	210		2	270		2	440		2	180		2	280		2	120		2	310		2	230		2	140		2	800		2
Mercury	23	65	0.2		1	0.45		1	1.4		1	1.2		1	0.22		1	1.5		1	0.12		1	0.64		1	0.47		1	0.91		1
Nickel	1,600	23,000	29		2	15		2	92		2	13		2	51		2	17		2	69		2	16		2	14		2	29		2
Potassium	~	~	760		2	780		2	820		2	570		2	1300		2	860		2	910		2	920		2	930		2	1700		2
Selenium	390	5,700	1.8		2	1.1	J	2	0.49	J	2	2.6		2	0.69	J	2	2.4		2	0.8	J	2	1.3	J	2	1.7	J	2	0.8	J	2
Silver	390	5,700	0.9	U	2	0.92	U	2	0.32	J	2	0.88	U	2	0.85	U	2	0.21	J	2	0.2	J	2	0.25	J	2	1.1	U	2	0.99	U	2
Sodium	~	~	240		2	160	J	2	710		2	440		2	560		2	550		2	710		2	460		2	420		2	460		2
Vanadium	78	1,100	19		2	18		2	19		2	13		2	24		2	21		2	18		2	17		2	46		2	26		2
Zinc	23,000	110,000	1200		2	400		2	5400		10	130		2	2500		10	220		2	3800		10	690		2	110		2	240		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	4.9		1	20		1	1.6	J	1	0.2	J	1	1.6	J	1	1.8	J	1	1.5	J	1	2	J	1	30		1	0.7	J	1
Total Petroleum Hydrocarbons	~	~	548		2	320		1	264		1	322		1	402		1	148		1	1020		2	789		2	414		1	2430		10
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	1,600	23,000	1.1	U	1	1.1	U	1	1.1	U	1	1.1	U	1	1	U	1	1.1	U	1	1	U	1	1.4	U	1	1.3	U	1	1.3	U	1

Notes:
1. Grab soil sample analytical results are compared to the N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are shaded and bolded.
4. NJ NRDCSRS exceedances are bolded and in red.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor
9. ND = Not Detected

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 4E
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location		G1_COMP-01S			G1_COMP-01S			G1_COMP-01D			G1_COMP-02S			G1_COMP-02D			G1_COMP-03S			G1_COMP-03D			G1_COMP-04S			G1_COMP-04D			G1_COMP-05S			G1_COMP-05D		
Client Sample ID		G1_COMP-01S_0-5			G1_COMP-DUP_091313_S			G1_COMP-01D_5-10			G1_COMP-02S_0-5			G1_COMP-02D_5-10			G1_COMP-03S_0-5			G1_COMP-03D_5-10			G1_COMP-04S_0-5			G1_COMP-04D_5-10			G1_COMP-05S_0-5			G1_COMP-05D_5-10		
Lab Sample ID	**USEPA RCRA TCLP**	L1318158-12			L1318158-14			L1318158-11			L1318159-04			L1318159-05			L1318009-10			L1318009-09			L1318009-06			L1318009-04			L1318158-04			L1318158-03		
Sample Date		09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/13/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013			09/12/2013		
Sample Depth (feet bgs)		0 to 5			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10			0 to 5			5 to 10		
TCLP Metals (mg/l)		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Lead	5	0.48	J	1	0.34	J	1	0.19	J	1	0.72		1	0.06	J	1	0.04	J	1	0.1	J	1	0.18	J	1	0.43	J	1	**5.4**		1	1.9		1
Mercury	0.2	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1
Silver	5	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1
Arsenic	5	1	U	1	1	U	1	0.03	J	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1
Barium	100	0.85		1	0.81		1	0.29	J	1	0.37	J	1	0.16	J	1	0.39	J	1	0.44	J	1	0.53		1	0.66		1	1		1	0.99		1
Cadmium	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.02	J	1	0.1	U	1	0.1	U	1	0.01	J	1	0.01	J	1
Chromium, Total	5	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1
Selenium	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1
RCRA Characteristics		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
pH (pH units)	<2 or >12.5	8.6		1	9		1	7.7		1	8.3		1	8.9		1	8.4		1	8		1	9.4		1	7.9		1	7.8		1	7.5		1
Reactive Cyanide (mg/kg)	250	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Ignitability	I/NI	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1
Sulfide Reactive (mg/kg)	500	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Miscellaneous		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Paint Filter (Negative/Positive)	~	Negative		1	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes:
1. Composite soil sample analytical results are compared to 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Maximum Concentration of Contaminants for the Toxicity Characteristic.
2. Only compounds with detections are shown in table.
3. Composite soil exceedances are shaded and bolded.
5. Reporting Limits (RL) above the Maximum Concentration of Contaminations for the Toxicity Characteristic standards are italicized.
6. mg/l = milligrams per liter
7. mg/kg = milligrams per kilogram
8. ~ = Criteria does not exist.
9. NA = Not Analyzed
10. I/NI = Ignitable/ Not Ignitable
11. DF = Dilution Factor

Qualifiers (Q):
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 4E
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location		**G1_COMP-06S**			**G1_COMP-06D**			**G1_COMP-07S**			**G1_COMP-07D**			**G1_COMP-08S**			**G1_COMP-08D**			**G1_COMP-09S**			**G1_COMP-09D**			**G1_COMP-10S**			**G1_COMP-10D**		
Client Sample ID		**G1_COMP-06S_0-5**			**G1_COMP-06D_5-10**			**G1_COMP-07S_0-5**			**G1_COMP-07D_5-10**			**G1_COMP-08S_0-5**			**G1_COMP-08D_5-10**			**G1_COMP-09S_0-5**			**G1_COMP-09D_5-10**			**G1_COMP-10S_0-5**			**G1_COMP-10D_5-10**		
Lab Sample ID	**USEPA RCRA TCLP**	**L1318158-07**			**L1318158-08**			**L1318164-04**			**L1318164-03**			**L1318164-06**			**L1318164-05**			**L1318162-01**			**L1318162-02**			**L1318161-03**			**L1318161-04**		
Sample Date		**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**			**09/13/2013**		
Sample Depth (feet bgs)		**0 to 5**			**5 to 10**			**0 to 5**			**5 to 10**			**0 to 5**			**5 to 10**			**0 to 5**			**5 to 10**			**0 to 5**			**5 to 10**		
TCLP Metals (mg/l)		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Lead	5	0.31	J	1	0.4	J	1	0.07	J	1	0.06	J	1	0.2	J	1	0.41	J	1	0.36	J	1	0.38	J	1	0.24	J	1	0.22	J	1
Mercury	0.2	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1
Silver	5	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1
Arsenic	5	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1	1	U	1
Barium	100	0.42	J	1	0.27	J	1	0.71		1	0.55		1	0.41	J	1	0.22	J	1	0.28	J	1	0.3	J	1	0.25	J	1	0.13	J	1
Cadmium	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1
Chromium, Total	5	0.2	U	1	0.2	U	1	0.02	J	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1
Selenium	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1
RCRA Characteristics		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
pH (pH units)	<2 or >12.5	8.8		1	7.6		1	8.7		1	8.2		1	11		1	7.6		1	7.8		1	7.6		1	7.7		1	7.5		1
Reactive Cyanide (mg/kg)	250	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Ignitability	I/NI	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1	NI		1
Sulfide Reactive (mg/kg)	500	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Miscellaneous		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Paint Filter (Negative/Positive)	~	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		

Notes:
1. Composite soil sample analytical results are compared to 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Maximum Concentration of Contaminants for the Toxicity Characteristic.
2. Only compounds with detections are shown in table.
3. Composite soil exceedances are shaded and bolded.
5. Reporting Limits (RL) above the Maximum Concentration of Contaminations for the Toxicity Characteristic standards are italicized.
6. mg/l = milligrams per liter
7. mg/kg = milligrams per kilogram
8. ~ = Criteria does not exist.
9. NA = Not Analyzed
10. I/NI = Ignitable/ Not Ignitable
11. DF = Dilution Factor

Qualifiers:
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 5A
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	**NYSDEC PART 375 UNRESTRICTED SCO**	**NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO**	**CSO_SB-01A**			**CSO_SB-02B**			**CSO_SB-03A**			**CSO_SB-04B**			**CSO_SB-05A**			**CSO_SB-06A**		
Client Sample ID			**CSO_SB-01A_0-0.5**			**CSO_SB-02B_5-5.5**			**CSO_SB-03A_8.5-9**			**CSO_SB-04B_6.5-7.0**			**CSO_SB-05A_7.5-8.0**			**CSO_SB-06A_3.5-4**		
Lab Sample ID			**L1318168-03**			**L1318166-01**			**L1318166-04**			**L1318166-07**			**L1318167-02**			**L1318167-03**		
Sample Date			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**		
Sample Depth (feet bgs)			**0 to 0.5**			**5 to 5.5**			**8.5 to 9**			**6.5 to 7**			**7.5 to 8**			**3.5 to 4**		
Volatile Organic Compounds (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Acetone	0.05	100	0.0034	J	1	0.0036	J	1	0.0085	J	1	0.013	U	1	0.0065	J	1	*0.64*	U	1
M-P-Xylene	~	~	0.002	U	1	0.0022	U	1	0.0024	U	1	0.0027	U	1	0.0018	U	1	0.024	J	1
Naphthalene	12	100	0.005	U	1	0.0017	J	1	0.0061	U	1	0.0067	U	1	0.0046	U	1	0.68		1
Tetrachloroethylene(PCE)	1.3	19	0.001	U	1	0.0011	U	1	0.0012	U	1	0.0013	U	1	0.00092	U	1	0.029	J	1
Toluene	0.7	100	0.0015	U	1	0.0016	U	1	0.0018	U	1	0.002	U	1	0.0014	U	1	0.027	J	1
Trichloroethylene (TCE)	0.47	21	0.001	U	1	0.0011	U	1	0.0012	U	1	0.00039	J	1	0.00092	U	1	**1.5**		1
Xylene (total)	0.26	100	ND			ND			ND			ND			ND			0.024	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 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded.
4. There are no reported NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 5B
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NYSDEC PART 375 UNRESTRICTED SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO	CSO_COMP-01			CSO_COMP-02			CSO_COMP-03			CSO_COMP-04			CSO_COMP-05			CSO_COMP-06		
Client Sample ID			CSO_COMP-01_0-10			CSO_COMP-02_0-10			CSO_COMP-03_0-10			CSO_COMP-04_0-10			CSO_COMP-05_0-10			CSO_COMP-06_0-10		
Lab Sample ID			L1318168-06			L1318166-02			L1318166-03			L1318166-05			L1318167-01			L1318167-04		
Sample Date			09/14/2013			09/14/2013			09/14/2013			09/14/2013			09/14/2013			09/14/2013		
Sample Depth (feet bgs)			0 to 10			0 to 10			0 to 10			0 to 10			0 to 10			0 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	~	~	0.093	J	1	0.9	U	4	0.33		1	0.23	U	1	0.49		1	0.11	J	1
3-Methylphenol	0.33	100	0.26	U	1	*1.1*	U	4	0.32	U	1	0.28	U	1	0.062	J	1	0.28	U	1
Acenaphthene	20	100	0.35		1	0.16	J	4	1.1		1	0.072	J	1	0.82		1	0.058	J	1
Acenaphthylene	100	100	0.11	J	1	0.21	J	4	0.43		1	0.16	U	1	0.64		1	0.11	J	1
Anthracene	100	100	1.6		1	0.72		4	2.9		1	0.26		1	2		1	0.22		1
Atrazine	~	~	0.14	U	1	0.6	U	4	0.18	U	1	0.16	U	1	0.15	U	1	0.16	U	1
Benzaldehyde	~	~	0.24	U	1	0.99	U	4	0.29	U	1	0.26	U	1	0.25	U	1	0.26	U	1
Benzo(a)anthracene	1	1	**4.5**		1	**2**		4	**3.9**		1	0.51		1	**3.2**		1	0.74		1
Benzo(a)pyrene	1	1	**4.3**		1	**2.6**		4	**3.5**		1	0.56		1	**3.3**		1	0.98		1
Benzo(b)fluoranthene	1	1	**5.3**		1	**2.8**		4	**4.1**		1	0.65		1	**3.9**		1	**1.4**		1
Benzo(g,h,i)perylene	100	100	2.5		1	1.9		4	1.7		1	0.41		1	2.2		1	0.83		1
Benzo(k)fluoranthene	0.8	3.9	**1.6**		1	**1.1**		4	**1.7**		1	0.24		1	**1.5**		1	0.47		1
Biphenyl (Diphenyl)	~	~	0.41	U	1	1.7	U	4	0.12	J	1	0.45	U	1	0.17	J	1	0.44	U	1
Bis(2-Ethylhexyl) Phthalate	~	~	0.068	J	1	0.75	U	4	0.22	U	1	0.2	U	1	0.19	U	1	0.19	U	1
Carbazole	~	~	0.22		1	0.27	J	4	1.2		1	0.097	J	1	0.77		1	0.082	J	1
Chrysene	1	3.9	**4.2**		1	**2.2**		4	**3.5**		1	0.55		1	**3.1**		1	0.93		1
Dibenz(a,h)anthracene	0.33	0.33	**0.76**		1	**0.44**	J	4	**0.57**		1	0.11	J	1	**0.61**		1	0.23		1
Dibenzofuran	7	59	0.17	J	1	0.75	U	4	0.86		1	0.086	J	1	0.78		1	0.19	U	1
Di-n-butylphthalate	~	~	0.18	U	1	0.75	U	4	0.22	U	1	0.04	J	1	0.19	U	1	0.054	J	1
Fluoranthene	100	100	9.4		2	4		4	7.6		1	1.2		1	6.8		1	1.2		1
Fluorene	30	100	0.35		1	0.22	J	4	1.4		1	0.09	J	1	0.89		1	0.094	J	1
Indeno(1,2,3-c,d)pyrene	0.5	0.5	**2.7**		1	**1.8**		4	**2**		1	0.39		1	**2.3**		1	**0.82**		1
Naphthalene	12	100	0.14	J	1	0.32	J	4	0.52		1	0.1	J	1	1		1	0.16	J	1
Phenanthrene	100	100	4.3		1	2.5		4	7.6		1	0.99		1	6.1		1	0.89		1
Pyrene	100	100	9		2	3.5		4	6.6		1	1.1		1	5.7		1	1.2		1
Total SVOCs	~	~	51.661	J		26.74	J		51.85	J		7.455	J		46.332	J		10.578	J	
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0359	U	1	0.0283	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Aroclor 1254	~	~	0.0359	U	1	0.0231	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Aroclor 1248	~	~	0.0359	U	1	0.0246	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Total PCBs	0.1	1	ND	J		0.076	J		ND	J		ND	J		ND	J		ND	J	
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	0.0033	7.9	**0.0249**	J	10	*0.0328*	U	10	*0.0392*	U	10	**0.00388**		1	*0.0331*	U	10	**0.0223**	J	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	~	~	7100		2	8700		2	7000		2	9000		2	8900		2	11000		2
Antimony	~	~	4.3	U	2	4.4	U	2	1.9	J	2	4.6	U	2	4.3	U	2	4.4	U	2
Arsenic	13	16	4.8		2	10		2	**20**		2	9.6		2	10		2	7.8		2
Barium	350	400	110		2	160		2	150		2	160		2	140		2	160		2
Beryllium	7.2	72	0.34	J	2	0.87		2	0.54		2	1.2		2	1.3		2	1.5		2
Cadmium	2.5	4.3	0.6	J	2	0.87	J	2	0.93	J	2	0.93		2	0.96		2	1.1		2
Calcium	~	~	4700		2	28000		2	26000		2	31000		2	28000		2	23000		2
Chromium Trivalent	30	180	14		1	25		1	14		1	18		1	28		1	**32**		1
Chromium Hexavalent	1	110	0.23	J	1	0.91	U	1	*1.1*	U	1	0.95	U	1	0.91	U	1	0.94	U	1
Chromium, Total	~	~	14		2	25		2	14		2	18		2	28		2	32		2
Cobalt	~	~	6.8		2	12		2	7.4		2	11		2	16		2	17		2
Copper	50	270	42		2	**230**		2	**87**		2	**68**		2	**210**		2	**190**		2
Iron	~	~	15000		2	22000		2	23000		2	18000		2	18000		2	27000		2
Lead	63	400	**160**		2	**360**		2	**920**		2	**420**		2	**610**		2	**310**		2
Magnesium	~	~	2800		2	6700		2	3400		2	6800		2	10000		2	8200		2
Manganese	1600	2000	280		2	320		2	490		2	270		2	300		2	280		2
Mercury	0.18	2.8	**0.36**		1	**0.45**		1	**0.41**		1	**0.23**		1	**0.49**		1	**0.5**		1
Nickel	30	310	12		2	24		2	12		2	23		2	**34**		2	**34**		2
Potassium	~	~	1000		2	1100		2	1200		2	800		2	1200		2	1000		2
Selenium	3.9	180	1.7	U	2	0.91	J	2	0.48	J	2	0.68	J	2	0.41	J	2	0.4	J	2
Sodium	~	~	78	J	2	320		2	440		2	240		2	690		2	410		2
Vanadium	~	~	19		2	25		2	20		2	20		2	22		2	25		2
Zinc	109	10000	**360**		2	**700**		2	**370**		2	**290**		2	**1100**		2	**780**		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	0.082	J	1	1.6	J	1	1.6	J	1	1.3	J	1	3		1	0.76	J	1
Total Petroleum Hydrocarbons	~	~	182		1	1850		5	317		1	74.5		1	251		1	234		2
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	27	27	1.1	U	1	1.1	U	1	1.3	U	1	1.2	U	1	1.1	U	1	1.1	U	1

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 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Unrectricted Use SCO exceedances are shaded and bolded.
4. NYSDEC Part 375 Restricted Use Restricted-Residential SCO exceedances are bolded and in red.
5. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use and Restricted Use Restricted-Residential SCO standards are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor

Qualifiers (Q):

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

Table 5C
Grab Soil Sample Results Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	**NJ RDCSRS**	**NJ NRDCSRS**	**CSO_SB-01A**			**CSO_SB-02B**			**CSO_SB-03A**			**CSO_SB-04B**			**CSO_SB-05A**			**CSO_SB-06A**		
Client Sample ID			**CSO_SB-01A_0-0.5**			**CSO_SB-02B_5-5.5**			**CSO_SB-03A_8.5-9**			**CSO_SB-04B_6.5-7.0**			**CSO_SB-05A_7.5-8.0**			**CSO_SB-06A_3.5-4**		
Lab Sample ID			**L1318168-03**			**L1318166-01**			**L1318166-04**			**L1318166-07**			**L1318167-02**			**L1318167-03**		
Sample Date			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**			**09/14/2013**		
Sample Depth (feet bgs)			**0 to 0.5**			**5 to 5.5**			**8.5 to 9**			**6.5 to 7**			**7.5 to 8**			**3.5 to 4**		
Volatile Organic Compounds (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Acetone	70,000	~	0.0034	J	1	0.0036	J	1	0.0085	J	1	0.013	U	1	0.0065	J	1	0.64	U	1
M-P-Xylene	~	~	0.002	U	1	0.0022	U	1	0.0024	U	1	0.0027	U	1	0.0018	U	1	0.024	J	1
Naphthalene	6	17	0.005	U	1	0.0017	J	1	0.0061	U	1	0.0067	U	1	0.0046	U	1	0.68		1
Tetrachloroethylene(PCE)	2	5	0.001	U	1	0.0011	U	1	0.0012	U	1	0.0013	U	1	0.00092	U	1	0.029	J	1
Toluene	6,300	91,000	0.0015	U	1	0.0016	U	1	0.0018	U	1	0.002	U	1	0.0014	U	1	0.027	J	1
Trichloroethylene (TCE)	7	20	0.001	U	1	0.0011	U	1	0.0012	U	1	0.00039	J	1	0.00092	U	1	1.5		1
Xylene (total)	12,000	170,000	ND			ND			ND			ND			ND			0.024	J	

Notes:

1. Grab soil sample analytical results are compared to the N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.

2. Only compounds with detections are shown in the table.
3. There are no reported NJ RDCSRS exceedances.
4. There are no reported NJ NRDCSRS exceedances.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. ND = Not Detected

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL or the sample concentration for results impacted by blank contamination.

Table 5D
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location	NJ RDCSRS	NJ NRDCSRS	CSO_COMP-01			CSO_COMP-02			CSO_COMP-03			CSO_COMP-04			CSO_COMP-05			CSO_COMP-06		
Client Sample ID			CSO_COMP-01_0-10			CSO_COMP-02_0-10			CSO_COMP-03_0-10			CSO_COMP-04_0-10			CSO_COMP-05_0-10			CSO_COMP-06_0-10		
Lab Sample ID			L1318168-06			L1318166-02			L1318166-03			L1318166-05			L1318167-01			L1318167-04		
Sample Date			09/14/2013			09/14/2013			09/14/2013			09/14/2013			09/14/2013			09/14/2013		
Sample Depth (feet bgs)			0 to 10			0 to 10			0 to 10			0 to 10			0 to 10			0 to 10		
SVOC (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
2-Methylnaphthalene	230	2,400	0.093	J	1	0.9	U	4	0.33		1	0.23	U	1	0.49		1	0.11	J	1
3-Methylphenol	~	~	0.26	U	1	1.1	U	4	0.32	U	1	0.28	U	1	0.062	J	1	0.28	U	1
Acenaphthene	3,400	37,000	0.35		1	0.16	J	4	1.1		1	0.072	J	1	0.82		1	0.058	J	1
Acenaphthylene	~	300,000	0.11	J	1	0.21	J	4	0.43		1	0.16	U	1	0.64		1	0.11	J	1
Anthracene	17,000	30,000	1.6		1	0.72		4	2.9		1	0.26		1	2		1	0.22		1
Atrazine	210	2,400	0.14	U	1	0.6	U	4	0.18	U	1	0.16	U	1	0.15	U	1	0.16	U	1
Benzaldehyde	6,100	68,000	0.24	U	1	0.99	U	4	0.29	U	1	0.26	U	1	0.25	U	1	0.26	U	1
Benzo(a)anthracene	0.6	2	**4.5**		1	**2**		4	**3.9**		1	0.51		1	**3.2**		1	**0.74**		1
Benzo(a)pyrene	0.2	0.2	**4.3**		1	**2.6**		4	**3.5**		1	**0.56**		1	**3.3**		1	**0.98**		1
Benzo(b)fluoranthene	0.6	2	**5.3**		1	**2.8**		4	**4.1**		1	**0.65**		1	**3.9**		1	**1.4**		1
Benzo(g,h,i)perylene	380,000	30,000	2.5		1	1.9		4	1.7		1	0.41		1	2.2		1	0.83		1
Benzo(k)fluoranthene	6	23	1.6		1	1.1		4	1.7		1	0.24		1	1.5		1	0.47		1
Biphenyl (Diphenyl)	3,100	34,000	0.41	U	1	1.7	U	4	0.12	J	1	0.45	U	1	0.17	J	1	0.44	U	1
Bis(2-Ethylhexyl) Phthalate	35	140	0.068	J	1	0.75	U	4	0.22	U	1	0.2	U	1	0.19	U	1	0.19	U	1
Carbazole	24	96	0.22		1	0.27	J	4	1.2		1	0.097	J	1	0.77		1	0.082	J	1
Chrysene	62	230	4.2		1	2.2		4	3.5		1	0.55		1	3.1		1	0.93		1
Dibenz(a,h)anthracene	0.2	0.2	**0.76**		1	**0.44**	J	4	**0.57**		1	0.11	J	1	**0.61**		1	**0.23**		1
Dibenzofuran	~	~	0.17	J	1	0.75	U	4	0.86		1	0.086	J	1	0.78		1	0.19	U	1
Di-n-butylphthalate	6,100	68,000	0.18	U	1	0.75	U	4	0.22	U	1	0.04	J	1	0.19	U	1	0.054	J	1
Fluoranthene	2,300	24,000	9.4		2	4		4	7.6		1	1.2		1	6.8		1	1.2		1
Fluorene	2,300	24,000	0.35		1	0.22	J	4	1.4		1	0.09	J	1	0.89		1	0.094	J	1
Indeno(1,2,3-c,d)pyrene	0.6	2	**2.7**		1	**1.8**		4	**2**		1	0.39		1	**2.3**		1	**0.82**		1
Naphthalene	6	17	0.14	J	1	0.32	J	4	0.52		1	0.1	J	1	1		1	0.16	J	1
Phenanthrene	~	300,000	4.3		1	2.5		4	7.6		1	0.99		1	6.1		1	0.89		1
Pyrene	1,700	18,000	9		2	3.5		4	6.6		1	1.1		1	5.7		1	1.2		1
Total SVOCs	~	~	51.661	J		26.74	J		51.85	J		7.455	J		46.332	J		10.578	J	
PCB (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aroclor 1260	~	~	0.0359	U	1	0.0283	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Aroclor 1254	~	~	0.0359	U	1	0.0231	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Aroclor 1248	~	~	0.0359	U	1	0.0246	J	1	0.0435	U	1	0.0381	U	1	0.0373	U	1	0.0384	U	1
Total PCBs	0.2	1	ND	J		0.076	J		ND	J		ND	J		ND	J		ND	J	
Pesticides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
p,p'-DDT	2	8	0.0249	J	10	0.0328	U	10	0.0392	U	10	0.00388		1	0.0331	U	10	0.0223	J	10
Herbicides (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Total Herbicides	~	~	ND		1	ND		1	ND		1	ND		1	ND		1	ND		1
Metals (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Aluminum	78,000	~	7100		2	8700		2	7000		2	9000		2	8900		2	11000		2
Antimony	31	450	4.3	U	2	4.4	U	2	1.9	J	2	4.6	U	2	4.3	U	2	4.4	U	2
Arsenic	19	19	4.8		2	10		2	**20**		2	9.6		2	10		2	7.8		2
Barium	16,000	59,000	110		2	160		2	150		2	160		2	140		2	160		2
Beryllium	16	140	0.34	J	2	0.87		2	0.54		2	1.2		2	1.3		2	1.5		2
Cadmium	78	78	0.6	J	2	0.87	J	2	0.93	J	2	0.93		2	0.96		2	1.1		2
Calcium	~	~	4700		2	28000		2	26000		2	31000		2	28000		2	23000		2
Chromium Trivalent	~	~	14		1	25		1	14		1	18		1	28		1	32		1
Chromium Hexavalent	~	~	0.23	J	1	0.91	U	1	1.1	U	1	0.95	U	1	0.91	U	1	0.94	U	1
Chromium, Total	~	~	14		2	25		2	14		2	18		2	28		2	32		2
Cobalt	1,600	590	6.8		2	12		2	7.4		2	11		2	16		2	17		2
Copper	3,100	45,000	42		2	230		2	87		2	68		2	210		2	190		2
Iron	~	~	15000		2	22000		2	23000		2	18000		2	18000		2	27000		2
Lead	400	800	160		2	360		2	**920**		2	**420**		2	**610**		2	310		2
Magnesium	~	~	2800		2	6700		2	3400		2	6800		2	10000		2	8200		2
Manganese	11,000	5,900	280		2	320		2	490		2	270		2	300		2	280		2
Mercury	23	65	0.36		1	0.45		1	0.41		1	0.23		1	0.49		1	0.5		1
Nickel	1,600	23,000	12		2	24		2	12		2	23		2	34		2	34		2
Potassium	~	~	1000		2	1100		2	1200		2	800		2	1200		2	1000		2
Selenium	390	5,700	1.7	U	2	0.91	J	2	0.48	J	2	0.68	J	2	0.41	J	2	0.4	J	2
Sodium	~	~	78	J	2	320		2	440		2	240	~	2	690		2	410		2
Vanadium	78	1,100	19		2	25		2	20		2	20		2	22		2	25		2
Zinc	23,000	110,000	360		2	700		2	370		2	290		2	1100		2	780		2
Petroleum Hydrocarbons (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Gasoline Range Organics	~	~	0.082	J	1	1.6	J	1	1.6	J	1	1.3	J	1	3		1	0.76	J	1
Total Petroleum Hydrocarbons	~	~	182		1	1850		5	317		1	74.5		1	251		1	234		2
Other (mg/kg)			Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Cyanide	1,600	23,000	1.1	U	1	1.1	U	1	1.3	U	1	1.2	U	1	1.1	U	1	1.1	U	1

Notes:

1. Grab soil sample analytical results are compared to the N.J.A.C. 7:26D Remediation Standards, Appendix 1, Table 1A - Residential Direct Contact Soil Remediation Standards and Table 1B - Non-Residential Direct Contact Soil Remediation Standards.
2. Only compounds with detections are shown in the table.
3. NJ RDCSRS exceedances are shaded and bolded.
4. NJ NRDCSRS exceedances are bolded and in red.
5. Reporting Limits (RL) above the NJ RDCSRS and NJ NRDCSRS are italicized.
6. mg/kg = milligrams per kilogram
7. ~ = Criteria does not exist.
8. DF = Dilution Factor

Qualifiers (Q):

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

Table 5E
Composite Soil Sample Results Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Sample Location **Client Sample ID** **Lab Sample ID** **Sample Date** **Sample Depth (feet bgs)**	**USEPA RCRA TCLP**	**CSO_COMP-01** **CSO_COMP-01_0-10** **L1318168-06** **09/14/2013** **0 to 10**			**CSO_COMP-02** **CSO_COMP-02_0-10** **L1318166-02** **09/14/2013** **0 to 10**			**CSO_COMP-03** **CSO_COMP-03_0-10** **L1318166-03** **09/14/2013** **0 to 10**			**CSO_COMP-04** **CSO_COMP-04_0-10** **L1318166-05** **09/14/2013** **0 to 10**			**CSO_COMP-05** **CSO_COMP-05_0-10** **L1318167-01** **09/14/2013** **0 to 10**			**CSO_COMP-06** **CSO_COMP-06_0-10** **L1318167-04** **09/14/2013** **0 to 10**		
TCLP Metals (mg/l)		Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF	Result	Q	DF
Lead	5	0.13	J	1	0.18	J	1	3.6		1	1.7		1	0.62		1	1.5		1
Mercury	0.2	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1	0.001	U	1
Silver	5	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1	0.1	U	1
Arsenic	5	1	U	1	1	U	1	1	U	1	1	U	1	0.03	J	1	1	U	1
Barium	100	0.5		1	0.6		1	0.64		1	0.5		1	0.59		1	0.65		1
Cadmium	1	0.1	U	1	0.1	U	1	0.1	U	1	0.01	J	1	0.1	U	1	0.1	U	1
Chromium, Total	5	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1	0.2	U	1
Selenium	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1	0.5	U	1
RCRA Characteristics		Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL
pH (pH units)	<2 or >12.5	9		1	10		1	8.4		1	7.9		1	8.2		1	8.1		1
Reactive Cyanide (mg/kg)	250	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Ignitability	I/NI	NI			NI			NI			NI			NI			NI		
Sulfide Reactive (mg/kg)	500	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1	10	U	1
Miscellaneous		Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL	Result	Q	DL
Paint Filter (Negative/Positive)	~	NA			NA			NA			NA			NA			NA		

Notes:

1. Composite soil sample analytical results are compared to 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Maximum Concentration of Contaminants for the Toxicity Characteristic.
2. Only compounds with detections are shown in the table.
3. Composite soil exceedances are shaded and bolded.
5. Reporting Limits (RL) above the Maximum Concentration of Contaminants for the Toxicity Characteristic standards are italicized.
6. mg/l = milligrams per liter
7. mg/kg = milligrams per kilogram
8. ~ = Criteria does not exist.
9. NA = Not Analyzed
10. I/ NI = Ignitable/ Not Ignitable

Qualifiers:

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.

Table 6
QA/QC Sample Detections Summary
Waste Characterization Technical Memo

Buildings G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Client Sample ID	**FB01_091213**		**FB01_091313**		**TB01_091213**		**TB03_091313**		**TB01_091313**		**TB02_091313**		**TB04_091313**		**TB05_091313**	
Sampling Date	**9/12/2013**		**9/13/2013**		**9/12/2013**		**9/13/2013**		**9/13/2013**		**9/13/2013**		**9/13/2013**		**9/13/2013**	
Lab Sample ID	**L1318001-07**		**L1318159-01**		**L1318001-08**		**L1318158-15**		**L1318159-06**		**L1318161-05**		**L1318162-05**		**L1318164-09**	
Sample Type	**Field Blank**		**Field Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**		**Trip Blank**	
VOC (µg/l)																
Acetone	5	U	3	J	5	U	3.8	J	2.3	J	2.6	J	2.1	J	5	U
SVOC (µg/l)																
Bis(2-Ethylhexyl)phthalate	2	J	3	U	NA		NA		NA		NA		NA		NA	
Total Metals (µg/l)																
Aluminum, Total	2.91	J	10	U	NA		NA		NA		NA		NA		NA	
Barium, Total	0.24	J	0.25	J	NA		NA		NA		NA		NA		NA	
Calcium, Total	102		50.4	J	NA		NA		NA		NA		NA		NA	
Chromium, Total	0.9	J	1		NA		NA		NA		NA		NA		NA	
Copper, Total	0.18	J	1	U	NA		NA		NA		NA		NA		NA	
Manganese, Total	0.34	J	0.31	J	NA		NA		NA		NA		NA		NA	
Nickel, Total	0.39	J	0.36	J	NA		NA		NA		NA		NA		NA	
Sodium, Total	146		177		NA		NA		NA		NA		NA		NA	
PCB (µg/l)																
Total PCBs	ND		ND		NA		NA		NA		NA		NA		NA	
Pesticides (µg/l)																
Pesticides	ND		ND		NA		NA		NA		NA		NA		NA	
Herbicides (µg/l)																
Herbicides	ND		ND		NA		NA		NA		NA		NA		NA	
General Chemistry (µg/l)																
Cyanide, Total	ND		ND		NA		NA		NA		NA		NA		NA	

Notes:
1. Only compounds with detections are shown in the table.
2. VOC = Volatile Organic Compounds
3. SVOC = Semi-Volatile Organic Compounds
4. PCB = Polychlorinated Biphenyls
5. µg/l = micrograms per liter
6. NA = Not Analyzed
7. ND= Not Detected

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.

Table 7
QA/QC Sample Detections Summary
Waste Characterization Technical Memo

Proposed CSO
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Client Sample ID	**TB01_091413**		**TB02_091413**		**TB03_091413**	
Sampling Date	**9/14/2013**		**9/14/2013**		**9/14/2013**	
Lab Sample ID	**L1318166-06**		**L1318167-05**		**L1318168-07**	
Sample Type	**Trip Blank**		**Trip Blank**		**Trip Blank**	
VOC (µg/l)						
Acetone	5	U	3.8	J	2.6	J
SVOC (µg/l)						
Bis(2-Ethylhexyl)phthalate	NA		NA		NA	
Total Metals (µg/l)						
Aluminum, Total	NA		NA		NA	
Barium, Total	NA		NA		NA	
Calcium, Total	NA		NA		NA	
Chromium, Total	NA		NA		NA	
Copper, Total	NA		NA		NA	
Manganese, Total	NA		NA		NA	
Nickel, Total	NA		NA		NA	
Sodium, Total	NA		NA		NA	
PCB (µg/l)						
Total PCBs	NA		NA		NA	
Pesticides (µg/l)						
Pesticides	NA		NA		NA	
Herbicides (µg/l)						
Herbicides	NA		NA		NA	
General Chemistry (µg/l)						
Cyanide, Total	NA		NA		NA	

Notes and Qualifiers:

1. Only compounds with detections are shown in the table.
2. VOC = Volatile Organic Compounds
3. SVOC = Semi-Volatile Organic Compounds
4. PCB = Polychlorinated Biphenyls
5. µg/l = micrograms per liter
6. NA = Not Analyzed
7. ND= Not Detected
8. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL or the sample concentration for results impacted by blank contamination.
9. J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.

Table 8
Groundwater Sample Results Summary
Waste Characterization Technical Memo
NYCDEP Discharge Parameters

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location **Client Sample ID** **Lab Sample ID** **Sampling Date**	**NYCDEP Discharge Parameters**	**GB12OW** **GB12OW_091913** **L1318577-02** **9/19/2013**		
VOC (mg/l)		Result	Q	DF
Chloroform	~	0.0015	U	1
1,1,1-Trichloroethane	~	0.002	U	1
1,4-Dichlorobenzene	~	0.005	U	1
Benzene	0.134	0.001	U	1
Carbon tetrachloride	~	0.001	U	1
Ethylbenzene	0.38	0.001	U	1
Methyl tert butyl ether	0.05	0.0012	J	1
o-Xylene	~	0.001	U	1
p/m-Xylene	~	0.002	U	1
Tetrachloroethene	0.02	0.0015	U	1
Toluene	0.074	0.001	U	1
Xylene (Total)	0.074	0.002	U	1
SVOC (mg/l)		Result	Q	DF
1,2,4-Trichlorobenzene	~	0.005	U	1
Naphthalene	0.047	0.005	U	1
Phenol	~	0.007	U	1
PCB (mg/l)		Result	Q	DF
Total PCBs	0.001	ND		1
Total Metals (mg/l)		Result	Q	DF
Cadmium	2	0.005	U	1
Copper	5	0.01	U	1
Chromium, Hexavalent	5	0.01	U	1
Lead	2	0.015		1
Mercury	0.05	0.0002	U	1
Nickel	3	0.025	U	1
Zinc	5	0.01	J	1
General Chemistry		Result	Q	DF
Chloride (mg/l)	~	920		10
Flash Point (degree F)	<140	150	>	1
Nitrogen, Nitrate/Nitrite (mg/l)	~	0.13		1
Nitrogen, Total Kjeldahl (mg/l)	~	5.49		1
Non-Polar Material by EPA 1664 (mg/l)	50	4	U	1
pH (SU's)	5-11	6.6		1
CBOD, 5 day (mg/l)	~	2	U	1
Total Nitrogen (mg/l)	~	5.6		1
Total Solids (mg/l)	~	2700		1
Total Suspended Solids (mg/l)	350	75		1

Notes and Qualifiers (Q):

1. Groundwater analytical results are compared to the New York City Department of Environmental Protection (NYCDEP) Limitations for Efluent to Sanitary or Combined Sewers.
2. There are no reported exceedances of NYCDEP criteria.
3. VOC = Volatile Organic Compounds
4. SVOC = Semi-Volatile Organic Compounds
5. PCB = Polychlorinated Biphenyls
7. mg/l = milligrams per liter
8. "-" = Criteria does not exist.
9. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of RL.
10. J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.
11. DF = Dilution Factor

Table 9
Groundwater Sample Results Summary
Waste Characterization Technical Memo
NYSDEC TOGS AWQS - Class I

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location **Client Sample ID** **Lab Sample ID** **Sampling Date**	**NYSDEC TOGS AWQS Class I**	**GB12OW** **GB12OW_091913** **L1318578-02** **9/19/2013**		
VOC (µg/l)		Result	Q	DF
1,1,1-Trichloroethane	~	2	U	1
1,1,2,2-Tetrachloroethane	~	1	U	1
1,1,2-Trichloroethane	~	1.5	U	1
1,1-Dichloroethane	~	1.5	U	1
1,1-Dichloroethene	~	1	U	1
1,2-Dichlorobenzene	~	5	U	1
1,2-Dichloroethane	~	1.5	U	1
1,2-Dichloropropane	~	3.5	U	1
1,3-Dichlorobenzene	~	5	U	1
1,4-Dichlorobenzene	~	5	U	1
2-Chloroethylvinyl ether	~	10	U	1
Benzene	10	1	U	1
Bromodichloromethane	~	1	U	1
Bromoform	~	1	U	1
Bromomethane	~	5	U	1
Carbon tetrachloride	~	1	U	1
Chlorobenzene	5	3.5	U	1
Chloroethane	~	2	U	1
Chloroform	~	1.5	U	1
Chloromethane	~	5	U	1
cis-1,2-Dichloroethene	~	1	U	1
cis-1,3-Dichloropropene	~	1.5	U	1
Dibromochloromethane	~	1	U	1
Ethylbenzene	4.5	1	U	1
Methyl tert butyl Ether	~	10	U	1
Methylene chloride	200	5	U	1
o-xylene	~	1	U	1
p/m-Xylene	~	2	U	1
Tetrachloroethene	1	*1.5*	U	1
Toluene	92	1	U	1
trans-1,2-Dichloroethene	~	1.5	U	1
trans-1,3-Dichloropropene	~	1.5	U	1
Trichloroethene	40	1	U	1
Trichlorofluoromethane	~	5	U	1
Vinyl chloride	~	2	U	1
Xylene (Total)	19	2	U	1
Total Metals (µg/l)		Result	Q	DF
Antimony	~	12	J	1
Arsenic	36	5	U	1
Beryllium	~	5	U	1
Cadmium	7.7	1	J	1
Chromium	~	10	U	1
Copper	5.6	*10*	U	1
Lead	8	**18**		1
Mercury	0.0026	*0.2*	U	1
Nickel	8.2	*25*	U	1
Selenium, Total	~	10	U	1
Silver, Total	~	7	U	1
Thallium, Total	~	20	U	1
Zinc, Total	66	12	J	1
General Chemistry		Result	Q	DF
Nitrogen, Nitrate/Nitrite (µg/l)	20000	22	J	1
Oil & Grease, Hem-Grav (µg/l)	~	4000	U	1
pH (SU)	~	6.6		1
Solids, Total Suspended (µg/l)	~	69000		1
Solids, Total Settleable (ml/l)	~	0.1	<	1

Notes and Qualifiers (Q):

1. Groundwater samples 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 (SGV) Class I.
2. NYSDEC TOGS Class I exceedances are shaded and bolded.
3. VOC = Volatile Organic Compounds
4. µg/l - micrograms per liter
5. ml/l = milliliters per liter
6. ~ = Criteria does not exist.
7. DF = Dilution Factor
8. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL.
9. J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.
10. Reporting limits above TOGS Class I values are italicized.

Table 10
Groundwater Sample Results Summary
Waste Characterization Technical Memo
NYSDEC TOGS Groundwater Effluent Limitations - Class GA

Building G1
Greenpoint Landing
Brooklyn, New York
Langan Project No. 170229002

Location Client Sample ID Lab Sample ID Sampling Date	Groundwater Effluent Limitations (Class GA)	GB12OW GB12OW_091913 L1318578-02 9/19/2013			GB12OW GB12OW_091913 L1318577-02 9/19/2013		
VOC (µg/l)		Result	Q	DF	Result	Q	DF
1,1,1-Trichloroethane	5	2	U	1	2	U	1
1,1,2,2-Tetrachloroethane	5	1	U	1	NA		
1,1,2-Trichloroethane	1	*1.5*	U	1	NA		
1,1-Dichloroethane	5	1.5	U	1	NA		
1,1-Dichloroethene	5	1	U	1	NA		
1,2-Dichlorobenzene	3	*5*	U	1	NA		
1,2-Dichloroethane	0.6	*1.5*	U	1	NA		
1,2-Dichloropropane	1	*3.5*	U	1	NA		
1,3-Dichlorobenzene	3	*5*	U	1	NA		
1,4-Dichlorobenzene	3	*5*	U	1	*5*	U	1
2-Chloroethylvinyl ether	~	10	U	1	NA		
Benzene	1	1	U	1	1	U	1
Bromodichloromethane	50	1	U	1	NA		
Bromoform	50	1	U	1	NA		
Bromomethane	5	5	U	1	NA		
Carbon tetrachloride	5	1	U	1	1	U	1
Chlorobenzene	5	3.5	U	1	NA		
Chloroethane	5	2	U	1	NA		
Chloroform	7	1.5	U	1	1.5	U	1
Chloromethane	~	5	U	1	NA		
cis-1,2-Dichloroethene	5	1	U	1	NA		
cis-1,3-Dichloropropene	0.4	*1.5*	U	1	NA		
Dibromochloromethane	50	1	U	1	NA		
Ethylbenzene	5	1	U	1	1	U	1
Methyl tert butyl Ether	10	10	U	1	1.2	J	1
Methylene chloride	5	5	U	1	NA		
o-xylene	5	1	U	1	1	U	1
p/m-Xylene	5	2	U	1	2	U	1
Tetrachloroethene	5	1.5	U	1	1.5	U	1
Toluene	5	1	U	1	1	U	1
trans-1,2-Dichloroethene	5	1.5	U	1	NA		
trans-1,3-Dichloropropene	0.4	*1.5*	U	1	NA		
Trichloroethene	5	1	U	1	NA		
Trichlorofluoromethane	5	5	U	1	NA		
Vinyl chloride	2	2	U	1	NA		
Xylene (Total)	5	2	U	1	2	U	1
SVOC (ug/l)		Result	Q	DF	Result	Q	DF
1,2,4-Trichlorobenzene	5	NA			5	U	1
Naphthalene	10	NA			5	U	1
Phenol	2	NA			*7*	U	1
PCB (µg/l)		Result	Q	DF	Result	Q	DF
Aroclor 1016	~	NA			0.05	U	1
Aroclor 1221	~	NA			0.05	U	1
Aroclor 1232	~	NA			0.05	U	1
Aroclor 1242	~	NA			0.05	U	1
Aroclor 1248	~	NA			0.05	U	1
Aroclor 1254	~	NA			0.05	U	1
Aroclor 1260	~	NA			0.05	U	1
Total PCB	0.09	NA			ND		
Total Metals (µg/l)		Result	Q	DF	Result	Q	DF
Antimony	6	**12**	J	1	NA		
Arsenic	50	5	U	1	NA		
Beryllium	3	*5*	U	1	NA		
Cadmium	10	1	J	1	5	U	1
Chromium	100	10	U	1	NA		
Chromium, Hexavalent	100	NA			10	U	1
Copper	1000	10	U	1	10	U	1
Lead	50	18		1	15		1
Mercury	1.4	0.2	U	1	0.2	U	1
Nickel	200	25	U	1	25	U	1
Selenium, Total	20	10	U	1	NA		
Silver, Total	100	7	U	1	NA		
Thallium, Total	0.5	*20*	U	1	NA		
Zinc, Total	5000	12	J	1	0.01	J	1
General Chemistry		Result	Q	DF	Result	Q	DF
Chloride (mg/l)	~	NA			920		10
CBOD, 5 day (µg/l)	~	NA			2000	U	1
Flash Point (degree F)	~	NA			150	>	1
Nitrogen, Nitrate/Nitrite (µg/l)	~	22	J	1	130		1
Nitrogen, Total Kjeldahl (µg/l)	~	NA			5490		1
Total Nitrogen (µg/l)	10000	NA			5600		1
Non-Polar Material by EPA 1664 (µg/l)	~	NA			4000	U	1
Oil & Grease, Hem-Grav (µg/l)	~	4000	U	1	NA		
pH (SU)	~	6.6		1	6.6		1
Total Solids (mg/l)	~	NA			2700		1
Solids, Total Suspended (µg/l)	~	69000		1	75000		1
Solids, Total Settleable (ml/l)	~	0.1	<	1	NA		

Notes and Qualifiers (Q):

1. Groundwater samples analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Groundwater Effluent Limiations and 6 NYCRR Part 703.6 Groundwater Effluent Limitations for Discharges to Class GA Waters.

2. NYSDEC Class GA exceedances are shaded and bolded.
3. VOC = Volatile Organic Compounds
4. µg/l - micrograms per liter
5. ml/l = milliliters per liter
6. ~ = Criteria does not exist.
7. DF = Dilution Factor
8. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL.
9. J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration.
10. Reporting limits above Class GA values are italicized.
11. NA - Not Analyzed
12. ND - Not Detected

ATTACHMENT A

BUILDING G1

BORING LOGS

LANGAN
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LOG OF BORING G1-SB-1A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 feet	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Road bed graded material, F gravel (tan), loose, intermixed w. construction debris	0.6					slight moist Max PID = 0.0ppm
	orange brown rock frags or mortar, pink/red refractory brick, brown gravel material w. M to C sand, loose.	1 / 1.3					Max PID = 0.0ppm Slight moist. No odor/stain.
	Concrete debris (concrete frags), cobble-size zoned. M sand w. silt, rock frags. Dense. Gray to brown gray. Fill. 14"	2 / 2.5			45/60		Max PID = 0.0ppm Slightly moist. No odor/stain
	Construction debris. Brown mortar, crushed and gravel sized red brick, light gray mortar. Large single piece. Fill. 15"	3 / 3.8					Max PID = 0.0ppm No odor/stain *sample G1-SB-1A-4-4.5 collected
	no recovery 3.8-5' bgs	4 / 5					
	no recovery 5-5.7' bgs	5.7					
2	Gray + grayish white mortar includes very large cobble of cement. Fill. 9"	6					Max PID = 0.0ppm No odor/stain.
	Brown F to M sand w. red brick frags, construction debris. Fill. 9"	7			52/60		Max PID = 0.0ppm No odor/stain
	Olive mottled and gray black silt w. rock frags (angular) gravel. Very firm. 6"						Max PID = 0.0ppm Wet. No odor/stain.
	Dark gray silt/silty clay w. F sand and F to M gravel. Loose. May contain cinders or ash. 10"	8					Max PID = 0.0ppm Wet, No odor/stain.
	Med gray loose F gravel w. some silt, F to M gravel (brownish gray). Fill. 10"	9					Max PID = 0.0ppm wet, No odor/stain *sample G1-SB-1A-9-9.5
	Fibrous wood pieces. Fill. 5"						Max PID = 0.0ppm. No stain. wood pieces have solvent-like odor
	F sand brown-dark gray, med dense, some fly ash, tr. F gravel. Fill 3'	10					Max PID = 0.0ppm Wet, No odor.
	END OF BORING	11					
		12					
		13					
		14					

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LOG OF BORING G-SB-1B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic INC	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohner (log compiled by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Asphalt plus 2 underlying beds; coarse rock frags, gravel, Fill, 9"	0.75					Max PID = 0.0ppm No odor/stain
	Pink/red brick (refractory) and dark gray F gravel/C sand plus lesser F sands to silts, Med dense, 9", Fill	1 / 1.5					Max PID = 0.0ppm Slightly moist No odor/stain.
	Assorted sand size mixed gravel and construction debris, No size above F gravel and refractory pink/red brick, Fill	2 / 2.3			42/60		Max PID = 0.0ppm No odor/stain
	orange brown disintegrating concrete to sand or perhaps orange stained granite to sand! silt, brownish gray, med dense Fill, 13"	3					Max PID = 0.0ppm Slightly moist. No odor, Perhaps orange stain
	Concrete pieces. Fill 6"	3.8					Max PID = 0.0ppm No odor/stain.
	No recovery 3.8 - 5' bgs	4					
		5					
2	No recovery 5 - 6.1 bgs	6					
	red brown frags, probable construction brick, Fill	6.1					Max PID = 0.0ppm No odor/stain.
	Pk gray, loose, med/coarse sandy F gravel. M gravel. Trace to some concrete	7			46/60		Max PID = 0.0ppm No odor/stain
	Olive to dark gray, some Med. coarse sand, med dense, some med gravel Fill, 7"						Max PID = 0.0ppm Moist to wet
	Fibrous wood pieces. Fill 1/2"	8					Max PID = 0.0ppm Wood frags have solvent-like odor No stain
	Dark gray silt w. F sand, super F to M gravel, med dense, w. large red brick frags at base of top 1/3,	9					Max PID = 0.0ppm wet. No odor/stain
	Silt and clay brown (weathered in place?), silt dark gray clay, gray/white coarse debris	10					Max PID = 0.0ppm wet, No odor/stain
	END OF BORING	11					
		12					
		13					
		14					

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LOG OF BORING GI-SB-2A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

FWI	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt coal bed, w F to C gravel, Fill, 6".	0.5					Max PID=0.0ppm 0-10', 6" intervals No odor/stain
	DK gray M sand w. wood frags ~1" long. Loose						Slightly moist. No odor/stain
	Brownish gray F sand, very loose w. red brick uniform size frags. 5", Fill	1					Slightly moist. No odor/stain
	crush mortar, yellowish gray. Loose.						Slightly moist. No odor/stain.
	DK gray M sand, loose, some M gravel frags. Fill						Moist. No odor/stain
	Crush brick/mortar well mixed poorly sorted (well graded). May have been single or multiple large frags prior to sonic sampling. Fill. 29"	2			50/60		No odor/stain
1		3					
		4					
	No recovery 4.2 to 5' bgs	4.2					
		5					
	No recovery 5 to 5.6' bgs	5.6					
	Compressed crush brick, w. silt underlain by mortar. Fill, 14".	6			53/60		No odor/stain.
	Crushed mortar, gray. Fill. 4"	7					No odor/stain.
2	Wood frags, very slight hint of aroma (solvent), similar to SB1B run 2.	7.6					Wood frags w. slight solvent-like aroma, No stain.
	Dark gray C sand, frags of gray brown masonary, med dense to dense. Cinders.	8					Wet. Smoke-like odor. No stain.
	Olive and dk gray M sand, some ash. 4".	8.6 / 8.9					No odor/stain.
	~~DK gray C sand, frags of gray brown masonary, med dense to dense, cinders.~~	9					No stain. Smoke-like aroma.
	Olive and dk gray M sand, some ash. 8".						No odor/stain.
	END OF BORING.	10					
		11					
		12					
		13					
		14					

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LOG OF BORING GI-SB-2B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 ft.	INSPECTOR	Bill Bohrer (log completed by N. Roll)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Asphalt and underlying C gravel and F gravel, well mixed due to sonic rig.	0.75					Max PID=0.0ppm for 0-10', 6" intervals, No odor/stain.
	Well mixed loose construction debris. Concrete aggregate frags, red brick, red/pink brick. Wire reinforcement. Very loose. Fill. 41"	1			50/60		No odor/stain. Slight moist.
		2					
		3					
		4					*sample GI-SB-2B-3.5 to 4 collected
	no recovery 4.2-5' bgs	4.2					
2	no recovery 5-5.4' bgs	5 / 5.4					
	Fly ash (coal ash) embedded in silt, clay. Silt/F sand orange to yellow, banded w. depth suggests leachate pit rxn, dense. Fly ash w/m brick mortar?	6					Moist. No odor.
	C dark gray loose sand, some F gravel	6.6			55/60		Wet. No odor/stain
	Silty clay, olive gray w orange brown, firm	7					Wet. No odor. Horizontal banding
	C sand, olive gray, some fly ash(?) loose						Wet. No odor/stain.
	Med gray C sand w. gravel + cinders						Loose + wet. No odor/stain.
	Dark gray C sand w. cinders + wood frags.	8					No odor/stain
	C sand, olive gray, fly ash(?) Med dense						No odor/stain. *sample GI-SB-2B-8-8.5 collected
	Dark gray C sand with multi-sized gravel, trace wood frags, loose. Cinders. Fill. 17".	9					Wet. No stain/odor.
	END OF BORING.	10					
		11					
		12					
		13					
		14					

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LOG OF BORING GI_SB-3A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 ft.	INSPECTOR	Bill Bohrer (log completed by N/Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt, olive silty gravel. Fill. 8"	0.7					No stain/odor *Max PID = 4168 ppm
	Crushed red brick Fill. 10"	1 1.5					No odor/stain. *Max PID = 8698 ppm
	Yellow/brown silt/sand w. cobble. Fill. 4"	1.9					No odor/stain. Slightly moist. Med. stiff, *Max PID = 1287 ppm
1	Concrete. Fill. 4"	2 2.2			60/60		No odor/stain
	Dark gray ash, firm. Fill. 4"	2.5					Moist. No odor/stain *Max PID = 2893 ppm
	Silt/F sand, olive gravel. Med. dense, Fill. 6"						slight moist. No odor/stain
	Dark gray cinder aggregate, similar to med gravel. Loose. Fill. 6"	3					No odor/stain.
	Concrete aggregate suspended in silty sand w. fine sand. Grayish brown Concrete w. some brick material Fill. 18".	4					Slightly moist. MaxPID > 9999 ppm No odor/stain. *Sample GI-SB-3A-4-4.5 Collected based on max PID reading
	no recovery 5-6' bgs	5					
	Reddish brown, rock frags in dark gray sandy silt, concrete and red brick	6					6". No odor/stain
	Red/pink brick w. gravel sand material. Loose. Fill. 14"	7 7.7			48/60		slightly moist. No odor/stain
2	Brownish gray M to F sand w. silt - some F gravel. Loose. Fill. 21".	8					wet. No odor/stain.
		9 9.4					*Sample GI-SB-3A-9-9.5 collected based on max PID reading.
	Yellow brown to olive. F gravel, crushed rock Fill, wet.	9.5					wet.
	Wood frag, slag, F to M sand, gray w. cinder material. Fill. 6".	10					No odor/stain.
	END OF BORING	11					
		12					
		13					
		14					

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ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING G1-SB-3B **SHEET** 1 **OF** 1

PROJECT Greenpoint Landing		PROJECT NO. 170229002	
LOCATION Brooklyn, NY		ELEVATION AND DATUM	
DRILLING AGENCY ADT		DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT Compact Roto Sonic 17C		COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING 4" ID		WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN German Torres	
SAMPLER 4" ID x 5ft.		INSPECTOR Bill Bohrer (log completed by N. Bell)	
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Data not Available	1					PID = 482 ppm PID = 0.0 ppm
		2			5g/60		PID = 1298 ppm
		3					PID = 538 ppm
		4					PID = 209 ppm
	no recovery 4.6 - 5' bgs	5					
2	Mix of loose construction debris. w. cobbles, concrete, red brick w. M sand and some F sand, tr. silt. Fill 18".	6 6.5					Max PID = 0.0 ppm No odor / stain.
	Loose unconsolidated brick (red) dark gray silt and sand, specks of olive silt. Fill 14".	7 7.6			60/60		Max PID = 0.0 ppm Moist. No odor / stain.
	Loose, dark gray w. white specks fine sand intermixed w. silt. Fill 22".	8 9 9.5					Max PID = 0.0 ppm Wet. No odor / stain.
	Silty clay or clayey silt, with cobble and rock. 6". Fill.	10					Max PID = 0.0 ppm
	END OF BORING	11 12 13 14					

LANGAN
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LOG OF BORING G1-SB-4A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Construction debris brick w. dark brown, sh gray silt and F sand. Some M gravel. Fill. 14"	1.2					Max PID=0.0 ppm Slightly moist. No odor/stain.
	Decomposing concrete w. M silt and concrete frags. Fill. 8"	1.8					Max PID=0.0 ppm Slightly moist. No odor/stain
	Crushed red brick. Fill. 4".	2.2			4/4		Max PID=0.0 ppm Slight moist. No odor/stain
	Dark gray cinder material.	3.3			6/6		Max PID=0.0 ppm No odor/stain. *Sample G1-SB-4A-2.5-3 collected
	Decomposed brown, yellow brown excavated debris (?)	4					Max PID=0.0 ppm wet/moist. No stain/odor.
	no recovery 4-5' bgs	5					
2	Dark gray medium sand. Dense. Fill. 12".	6					Max PID=0.0 ppm Smoke-like odor, no stain Moist.
	Coarse gravel w. olive F sand and silt. Medium dense. Multigrade gravel. Fill. 8"	6.7			6/6		Max PID=0.0 ppm Slight moist/moist. No stain/odor
	Dark gray organic w. F sand and silt. Tr wood frags. Firm. Fill. 4"	7			6/6		Max PID=0.0 ppm Moist. No odor/stain
	Olive F sand w. F gravel. Dense, esp. at base. Fill. 15"	8.25					Max PID=0.0 ppm Moist/wet. No odor/stain
	Dark gray and light green F material w. light gray to dark gray sand. Loose - med dense. Mottled w. white, some basalt rock frags, varying size gravel. Fill. 21".	9					Max PID=0.0 ppm Wet. No odor/stain. *Sample G1-SB-4A 9-9.5 Collected.
	END OF BORING	10					
		11					
		12					
		13					
		14					

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ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING G1-SB-4B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229.002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 ft	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

Run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Dark gray, hint of mottled light gray/white cinder material w. red brick and sand, silt.	0.5					Max PID = 0.0ppm No odor/stain Dense. Slight moist.
	Light gray/brown ash and silt, some white brick	0.9					Max PID = 0.0ppm Dense. Slight moist. No odor/stain
	red brick refractory stone material, frags to C sand, size material. Red/brown to dark gray mottled F sand. Fill. 12"	1 / 1.7			54/60		Max PID = 0.0ppm Slightly moist No odor/stain.
	Dark gray cinder/ash w. med/fine sand some silt, carbonized streaks. Fill. 10"	2 / 2.5					Max PID = 0.0ppm No odor.
	Dark gray w. white rock frags. Cement-type base. Med dense. Fill. 18".	3					Max PID = 0.0ppm Slight moist. No odor/stain
	Olive-dark gray compressed SILT w. sand and gravel, gray/dark gray. Fill.	4 / 4.5					Max PID = 0.0ppm No odor/stain.
	no recovery 4.5-5' bgs						
	no recovery 5-5.2 bgs	5					
2	Similar at end of run #1. Gray SILT w. sand, M gravel, refractory brick pieces. Fill 8"						Max PID = 0.0ppm No odor/stain
	Large red refractory brick frags in dark gray silt w. F gravel, ash like streaking. Fill. 9"	6			58/60		Max PID = 0.0ppm No odor/stain.
	Yellow tan/brown and olive gray F SAND w. gravel rock frags. May be from alluvial deposits. Med dense. Fill. 15".	7					Max PID = 0.0ppm No odor/stain Slightly moist
	Dk gray, organic rich silt. Fly ash (?)	8					Max PID = 0.0ppm No odor/stain
	Dark gray mottled w. olive gray F SAND w. M gravel. Fill. 18"	9					Max PID = 0.0ppm No odor/stain
	Red/pink refractory brick w. loose F. Sand						" " Wet.
	Dk gray, organic rich silt. w. slag-like material	10					" " Moist.
	END OF BORING						
		11					
		12					
		13					
		14					

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ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING GL-SB-5A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 ft	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Loose olive gray SAND matrix, large gravel / fragmented rock. Fill. 13"	1.1					Max PID = 0.0 ppm Slightly moist. No odor / stain
	Red brick / grey wood frags, some silt, med dense. Mottled brown to gray w. more gray dense wetter Fill.	2			52/100		Max PID = 0.0 ppm Slightly moist to moist. No odor / stain.
	Fine quartz sand w. med brown gray to med dense large silt volume (silty fine sand). Fill. 28"	3					Max PID = 0.0 ppm Moist to wet. No odor / stain
		4.3					
	no recovery 4.3 - 5' bgs	5					
2	no recovery 5 - 5.3' bgs	5.3					
	Gravel, med brown, very loose. Fill. 8".	6					Max PID = 0.0 ppm slightly moist. No odor / stain
	Red brick (crushed) w. dried gray crushed gravel, some silt. Fill. 8".	6.7			56/100		Max PID = 0.0 ppm No odor / stain
	Red / pink crushed brick re fractory glass mixed in. Loose. Fill. 6"	7 / 7.3					Max PID = 0.0 ppm No odor / stain Slightly moist.
	Brownish gray cement aggregate. Fill. 8".	8					Max PID = 0.0 ppm Slightly moist. No odor / stain.
	Concrete aggregate frags in matrix of concrete dust. Loose, Fill. 11"	8.9					Max PID = 0.0 ppm Slightly moist. No odor / stain
	Dark gray material over yellow brown med sand w. dark gray silt. Some wood frags. Med dens. Fill. 15".	9					Max PID = 0.0 ppm Moist. No odor / stain
	END OF BORING	10					
		11					
		12					
		13					
		14					

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LOG OF BORING GI-SB-5B **SHEET** 1 **OF** 1

PROJECT Greenpoint Landing		PROJECT NO. 170229002	
LOCATION Brooklyn, NY		ELEVATION AND DATUM	
DRILLING AGENCY ADT		DATE STARTED 9/12/13	DATE FINISHED 9/12/13
DRILLING EQUIPMENT Compact Roto Sonic 17C		COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES: DIST. / UNDIST. / CORE	
CASING 4" ID		WATER LEVEL: FIRST / COMPL. / 24 HR.	
CASING HAMMER: WEIGHT / DROP		FOREMAN German Torres	
SAMPLER 4" ID x 5ft.		INSPECTOR Bill Bohrer (log completed by N. Bell)	
SAMPLER HAMMER: WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Crushed red brick within matrix of wet decomposed cement. Fill. 6"	0.5					Max PID=0.0ppm No odor / stain. wet.
	Dark gray med sand sized cinders, loose. Fill. 7"	1					Max PID=6.82ppm Slightly moist.
	Red/pink refractory brick (crushed) in crushed cement. Fill. 5"	1.1 1.5					Max PID=0.0ppm No odor / stain.
	Crushed brick w. olive sand. Fill. 3". Loose	1.75					Slightly moist. No odor / stain
	Dark gray M to F SAND sized CINDERS, med. dense to loose. Fill. 15"	2			52/60		Max PID=752ppm Slightly moist. No odor / stain.
	Same as above but also mixed w. olive gray sand. Dense. 5"	3 3.4					Max PID=2.81ppm Moist. No odor / stain.
	Dark gray M to F sand size. Medium dense to loose. Fill. 9"	4 4.3					Max PID=0.0ppm Slightly moist. No odor / stain
	No recovery 4.3-5' bgs	5					
2	No recovery 5-6.5' bgs	6 6.5					
	Dark gray M to F sand size. Med dense to loose. Fill. 6"	7			42/60		Max PID=0.0ppm No odor / stain.
	Dark gray M to F sand sized cinders, med dense to loose also w. olive gray sand. Fill. 6"	7.5					Max PID=0.0ppm Moist. No odor / stain.
	Gray to dark gray loose M to coarse silt abt 25% some rock fragment. Fill. 26"	8					Max PID=0.0ppm No odor / stain.
		9 9.6					
	Clay non-plastic w. sand and stiff gravel. Fill. 4"	10					Max PID=0.0ppm wet. No odor / stain
	END OF BORING	11					
		12					
		13					
		14					

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LOG OF BORING GL-SB-6A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5 ft	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Pink/red refractory brick, pieces of gravel disassembled due to sonic rig. Fill. 17"	1 / 1.4					Max PID = 0.0 ppm No odor/stain.
	Dk gray silt and F sand w. dark gray wood frags, trace cinders, Loose	1.8					Max PID = 0.0 ppm slight moist. No odor/stain
	M gray w. pieces of red brick and concrete, mostly dense concrete Fill. 8"	2 / 2.5			5/60		Max PID = 0.0 ppm
	Wood frags gravel, silt + F sand. Gravel is M large, rounded and smaller angular pieces. Wood is fibrous/shredded, Loose. Fill. 17"	3 / 3.9					Max PID = 158 ppm Moist. No stain. Wood frags have creosote-like odor * sample GL-SB-6A-3.0-3.5 collected
	orange/yellow brown mottled w dark gray streaks (not stains) construction debris (red brick frags, gravel)	4 / 4.7					Max PID = 3.4 ppm No odor/stain
	No recovery 4.7 to 5' bgs	5					
2	No recovery 5 to 5.3' bgs	5.3					
	Gray concrete rubble, M sand (derived from concrete), med. dense. Fill. 12"	6 / 6.3			5/60		Max PID = 0.0 ppm Moist. No odor/stain
	construction debris, red brick, silt, Fill. 3"	6.6					Max PID = 0.0 ppm. No odor/stain
	Wood pieces. 11"	7 / 7.5					Max PID = 239 ppm Wood frags have solvent-like odor * sample GL-SB-6A-7-7.5 collected
	Reworked dk gray F sand and F gravel; med dense/med loose, Fill, 15"	8 / 8.75					Max PID = 0.0 ppm Wet. No odor/stain.
	Firm silt to very F sand w. F to loose angular to rounded gravel, brown, Tan to light gray, very firm silty clay med plasticity, grades downward, fine,	9 / 9.25					Max PID = 0.0 ppm Wet, No odor/stain. Max PID = 0.0 ppm Wet. No odor/stain.
	END OF BORING	10					
		11					
		12					
		13					
		14					

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LOG OF BORING GI-SB-6B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by K.B.)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLWS in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	poorly sorted silts to F gravel. Tan road bed. Fill. 10".	0.8					Max PID = 0.0 ppm No odor / stain
	poorly sorted silts to F gravel. Brownish dark gray quartz, M gravel (some). loose. Fill	1 1.4					Max PID = 0.0 ppm Wet., No odor / stain
	Construction debris, pink/red block, refractory brick, some mixed gravel + silt size pebbles, loose.	2 2.1			16/		Max PID = 0.0 ppm Slightly moist No odor / stain
	Wood frags, dark gray silt and F sand plus gravel to cobble size. Loose. Fill. 16".	3 3.4			60		Max PID = 0.0 ppm Wet. No odor / stain
	Brownish gray M to F sand w. some silt. F to M gravel, cobbles, loose. Fill. 10"	4 4.25					Max PID = 0.0 ppm Moist No odor / stain
	M to dark gray F sand w. some silt, F to M gravel. Loose. Fill	4.7					Max PID = 0.0 ppm Moist. No odor / stain.
	Construction debris, brick and concrete, very dense. Fill (expansion)	5					Max PID = 0.0 ppm No odor / stain
2	no recovery 5 to 5.6	5.6					
	orange brown med sand, med dense to dense. Some silt.	6					Max PID = 0.0 ppm Moist. No odor / stain
	Mottled brownish gray over orange brown F sand, some silt w. some F gravel. Fill, 9".	6.8			53/		Max PID = 0 Wet. No odor / stain.
	Identical matrix and color as above but also includes M to large gravel / rock frags. Fill. 9".	7 7.6			60		Max PID = 0 No odor / stain.
	Construction debris, dark gray silt and F sand, gravel. Loose. Fill. 10"	8 8.4					Max PID = 0 Moist. No odor / stain.
	Tan refractory matrix. Fill. 8".	9 9.1					Max PID = 0.0 ppm No odor / stain
	Dk gray F sand & silt, large sized gravel, exudes smoky aroma (slight). Fill. 8"	9.75					Max PID = 0 No stain. Slight smoke like odor
	Mottled dk gray clay-like or F silt or F sand. Fill	10					Max PID = 0 No odor / stain
	END OF BORING	11					
		12					
		13					
		14					

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LOG OF BORING GI-SB-7A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Olive brown F Sand and silt, slightly moist. Med dense. Heavy amts of construction debris (concrete plus gravel, M to F tr. F red brick frags and orange brown blobs of plastic clay. Topbase more firm. 36". Fill.	1, 2, 3			50/60		Max PID = 0.0ppm for 0-10', each 6" interval. Wet. No odor/stain.
	Begins w. red/orange conglomerate, then single pieces of red/orange construction stone, material aggregate (large brick?) Fill. 14"	4					No odor/stain. *sample GI-SB-7A-3.5-4 collected
	no recovery 4.2 to 5' bgs	5					
	no recovery 5 to 5.8' bgs	5.8					
2	Brown M sand w. tr. fly ash/coal ash? Includes brownish mass of orange/red at end. See GI-SB-1B. Thickness vary slightly suggesting similar deposition, may be due to sonic vibrations. Fill. 42".	6, 6.5, 7, 8, 9, 10			50/60		No odor/stain. No odor/stain. *sample GI-SB-7A-9-9.5 collected.
	END OF BORING	11, 12, 13, 14					

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LOG OF BORING GI-SB-7B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohner (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Gray concrete (original surface material). 6".						Max PID = 0.0 ppm from 0-10', every 6" interval.
	F tan gravel. Road bed. 4".						No odor/stain
	Red brick w. loose crushed brick.	1					No odor/stain
	Mix construction debris incl. 6" diameter concrete cobbles, crush brick, w gravel. Brick = red. Concrete = gray or white. Sand = olive gray to brownish gray. Loose.	2			44/60		Slightly moist. No odor/stain.
		3					
		3.8					
	no recovery 3.8 to 5' bgs	4					
		5					
2	no recovery 5 to 6' bgs						
		6					
	M sand w. some silt. Loose w. vary size and crush gravel. Zone. Tan zone - concrete (12-15"), Dark gray (6-10") may be cinders. 24". Fill.	7			48/60		Slightly moist. No odor/stain.
		8					
	Yellowish orange mottled over olive gray clayey/silty matrix. Firm. 8".	8.7					Moist. No odor/stain.
	M sand w. some silt, olive gray w. orange brown spots, wide size dist. of gravel. Some gravel/rocks derived from sand base concrete/granite	9					No odor/stain.
		10					
	END OF BORING						
		11					
		12					
		13					
		14					

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LOG OF BORING G1-SB-8A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohner (log completed by N. Beh)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Crushed concrete						Max PID = 0.0ppm from 0-10' every 6" interval. No odor/stain.
	DK grayish brown F sand and wood frags	1					No odor/stain.
	Crushed brick (red) and mortar. 9". Fill.						No odor/stain.
	DK gray silt, some rock frags (concrete) Brown F sand, off white fly ash (?)	2					Slightly moist. No odor/stain.
1	Construction debris, brick, concrete, crushed asphalt. M sand, loose.	3			59/60		No odor/stain. Slightly moist. No odor/stain.
	orange rock frags in orange M sand, dense.	4					Slight moist. No odor/stain. *Sample G1-SB-8A-4-4.5 collected
		5					
	no recovery 5 - 5.8' bgs	5.8					
	Construction debris (concrete frags, M sand). 15"	6					Slightly moist. No odor/stain
	Fly ash (?), flaky white material in orange brown sand/gravel, Loose.	7			51/60		Slightly moist. No odor/stain
2	Light gray M sand, specks of white flaky material w/gravel, loose.	8					Slightly moist. No odor/stain.
	Med to dark gray C sand w. F gravel, loose, some white specks. Fill. 16".	9					Slight moist. No odor/stain. *sample G1-SB-8A-9-9.5 collected
	Fly ash (?) in orange brown sand and gravel. Loose.	10					Slight moist. No odor/stain
	END OF BORING						
		11					
		12					
		13					
		14					

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LOG OF BORING G-1-SB-8B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	5" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	5" ID x 5ft	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt plus road bed. 11"						Max PID = 0.0ppm from 0 to 10', every 6" interval
							No odor/stain.
	red brick frags	1					No odor/stain.
	F sand, dark gray slightly moist plus M gravel: ground asphalt?						No odor/stain
	Brick mortar and concrete debris, Fill. 9"	2					No odor/stain.
1	Brown, med dense F sand, const. debris frag				60/60		Slightly moist. No odor/stain.
	Brick concrete aggregate mortar, Construction debris. 11", Fill	3					No odor/stain.
	Brown dense M sand w. gravel, old style concrete or weathered in place rock frags.	4					Moist. No odor/stain.
	Construction debris (mortar brick frags) in reddish brown F sand. Dense. Some concrete frags.	5					Slightly moist. No odor/stain.
	Yellow orange w. olive gray streaks firm silt. Some harder material as gravel	6					Slightly moist. No odor/stain.
	Same as above, but more brown and w/o olive gray streaks. 12"	7			60/60		No odor/stain. Slightly moist.
2	Dk gray F sand w. some silt, gravel, Dense						Wet. No odor/stain.
	Br F sand, mod to loose. Tr. rock frags	8					wet. No odor/stain.
	F sand and silt banded as dark gray mottled w. olive, reddish brown and med. gray gravel, Fly ash?						No odor/stain.
	M sand (cinder flake) and gravel - loose. 10".	9					Wet. No odor/stain
	olive gray firm silty clay, non-plastic	10					wet. No odor/stain
	END OF BORING						
		11					
		12					
		13					
		14					

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LOG OF BORING GL_SB-9A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic MC	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Asphalt & road bed material. 10".						Max PID = 0.0ppm from 0-10', every 6" interval. No odor/stain.
	Dark brownish gray F sand and dark gray wood frags. Loose.	1					Slightly moist. No odor/stain.
	Red brick & mortar (crushed) Construction debris (originally single piece?) Loose.	2			60/60		Slightly moist. No odor/stain.
	Brown mottled over M gray construction debris, w. sand. Some brick, loose.	3					Slightly moist. No odor/stain. *sample GL_SB-9A_3.5-4 collected
	orange/red from silt.						Moist. No odor/stain.
	M sand, brown. Very loose, w. varying dist. of size gravel derived from rock frags, trace slag. Some orange frags (rock). 18".	4					Slightly moist. No odor/stain.
2	no recovery 5-5.3' bgs	5					
	Construction debris, M sand w. some silt. Brick, construction debris, pottery, Loose.	6			5.6/60		Slightly moist. No odor/stain.
	Same as above, w. fly ash (probable)	7					Slight moist. No odor/stain
	Yellowish brown; F sand/silt, prob from gravel, some possible slag. 12".	8					No odor/stain
	Brownish gray M sand matrix, loose, flakes of fly ash w. assorted gravel.	9					Slightly moist. *sample GL_SB-9A_9.5-10 collected.
	END OF BORING	10					
		11					
		12					
		13					
		14					

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LOG OF BORING GL-SB-9B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

Run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt and gravel, loose, 8"						Max PID=0.0 ppm from 0-10', every 6" interval.
	Dark gray asphalt 4".	1					No odor/stain.
	Red/pink refractory brick (crushed) 7".						No odor/stain.
1	Red brown construction debris (brick, concrete), pebble size concrete w. sand. Mostly dark gray at base, reddish brown at top. 11", Fill.	2			60/60		No odor/stain.
	Milled asphalt.	3					No odor/stain
	C gravel - road ballast (?).						No odor/stain.
	Brown moist gravel (large/coarse) in M sand, a travel.	4					Moist. No odor/stain
	M sand, loose, dk brown, w. gravel concrete.						Moist. No odor/stain
	Same as above.	5					Moist. No odor/stain
2	Gneiss/granite rock frags w. M gravel mottled brown and little gray. M sand. 23". Med loose - Med dense.	6			65/60		No odor/stain. wet.
	Red brown crushed brick. 4"	7					No odor/stain
	Loose M coarse sand size cinders, some large gravel pieces. 11".	8					Slightly moist. No odor/stain
	Gray to dark gray med. dense. F to M sand + sand size cinders w. suspended F gravel.	9					Slight moist. No odor/stain.
	Silty clay - light to med brown non-plastic (expansion)	10					Moist to wet. No odor/stain
	END OF BORING	11					
		12					
		13					
		14					

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LOG OF BORING GLSB-10A **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229 002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Ben)
SAMPLER HAMMER / WEIGHT / DROP			

run	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Solid mass of red mortar or refractory material. 16". Fill.	1					Max PID = 0.0ppm from 0-10' every 6" interval. No odor/stain.
	Milled asphalt, mostly m sand, loose. Dark gray. Larger frags w. depth. 80". Fill.	2			46/60		Slightly moist. No odor/stain
1	Silt and f sand, med loose to med dense, brown w. gray blotches. Fill	3 3.8					Slightly moist. No odor/stain.
	no recovery 3.8 to 5' bgs	4 5					
	no recovery 5 to 6' bgs	6					
	Silt and f sand, med loose to med dense, brown w. gray blotches, rock frag, large to med gravel. 12"	7			48/60		Slightly moist. No odor/stain.
2	crushed red brick material						No odor/stain
	Disintegrated gravel w. c sand, dark gray to gray, cinders, silt aggregates, loose, c sand.	8					Moist. No odor/stain
	Firm silt, dark gray w. gravel and rock frags w more sand at base. Cinder & possibly fly ash.	9					Moist to wet. No odor/stain.
	END OF BORING.	10 11 12 13 14					

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LOG OF BORING GI-SB-10B **SHEET** 1 **OF** 1

PROJECT	Greenpoint Landing	PROJECT NO.	170229002
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 9/13/13	DATE FINISHED 9/13/13
DRILLING EQUIPMENT	Compact Roto Sonic 17C	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	German Torres
SAMPLER	4" ID x 5ft.	INSPECTOR	Bill Bohrer (log completed by N. Bell)
SAMPLER HAMMER / WEIGHT / DROP			

PID	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Asphalt and road bed.						Max PID = 0.0 ppm from 0-10', every 6" interval.
	Milled asphalt and wood frags						Hint of smoky aroma.
	Construction debris, mortar, concrete pieces; loose silty moist gray, F sand. Trace wood. Fill. 20"	1					No stain / odor. Moist.
		2			1de		
1	Shredded wood material.				60		Salty sea / fish aroma.
	Dark gray wood cut to size, mortar and brick frags.	3					No stain / odor
	Dk gray cinder, F to M sand, loose.						Slightly moist. No odor / stain
	Wood cut to size of core. Solvent aroma.						Solvent aroma
		4					* PID = 18.3 ppm *
	F sand and silt, M gray, rock frags, large gravel. Fill. 14"						Slightly moist. No odor / stain
		5					* Sample GI-SB-10B-4-4.5 collected
	~~Stiff, (expansion) w. brown silt + dk gray coal~~						No odor / stain.
	Mix of sand and silt, concrete aggregate cobbles / gravel, possibly F ground slag, other finer gravel size	6					
2	material. Fill. 36".	7					
		8			60		
	Firm to hard silty clay, med plastic, 15".				60		Moist. No odor / stain
		9					
	Coarse gravel mottled light to dark gray, loose, some F gravel.						Wet. No odor / stain
		10					* Sample GI-SB-10B-9.5-10 collected.
	END OF BORING						
		11					
		12					
		13					
		14					

ATTACHMENT B

PROPOSED CSO

BORING LOGS

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LOG OF BORING CSO SB-1A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES	DIST. / UNDIST. / CORE
CASING	4" ID	WATER LEVEL	FIRST / COMPL. / 24 HR.
CASING HAMMER	WEIGHT / DROP	FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER	WEIGHT / DROP		

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Dark gray silty F-C SAND (SP-SM); little coal fragments; trace concrete fragments; FILL; 24".	1					max PID = 0.5 ppm moist no odor/staining SAMPLE CSO-SB-1A-0-0.5 collected.
	Yellowish orange SILT (ML); trace F-M sand; trace brick fragments; trace cobbles; FILL; 24".	2, 3					max PID = 0.0 ppm dry no odor / staining
1	Olive gray silty F-M SAND (SP-SM); trace gravel; trace treated wood frag; FILL; 12".	4, 5			60/120		max PID = 0.0 ppm moist no odor / staining
	No recovery 5-10' bgs	6, 7, 8, 9					
	END OF BORING	10, 11, 12, 13, 14					

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LOG OF BORING CSO SB-1B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Light gray F-C SAND (SP) and pulverized concrete fragments; FILL; 24".	1					max PID = 0.0 ppm dry no odor/staining
	Dark gray gravelly F-C SAND (SP); few coal fragments; trace concrete fragments; trace slag fragments; trace metal; FILL; 18".	2, 3, 3.5					max PID = 0.0 ppm dry no odor/staining
1	Yellowish orange SILT (ML); trace F-M sand; trace brick fragments; FILL; 24".	4, 5, 5.5			72/120		max PID = 0.0 ppm dry no odor/staining
	Yellowish orange SILT (ML); trace F-M sand; few slag fragments; trace coal fragments; FILL; 6".	6					max PID = 0.0 ppm; dry; no odor/staining.
	No recovery 6-10' bgs	7, 8, 9					
	END OF BORING	10, 11, 12, 13, 14					

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LOG OF BORING CSO SB-2A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Light gray F-C SAND (SP) and pulverized concrete fragments; FILL; 6".	0.5					max PID = 0.0ppm; dry; no odor/staining
	Dark gray F-C SAND (SP); some coal fragments; little concrete fragments; trace brick fragments; FILL; 18".	1					max PID = 0.0 ppm dry no odor/staining
1	Concrete fragments; 6".	2 / 2.5			60/60		
	Dark gray F-C SAND (SP); some coal ash and coal fragments; little treated wood fragments; trace brick fragments; FILL; 30".	3 / 4					max PID = 0.0 ppm dry no odor/staining
		5					
	No recovery 5-7' bgs	6					
2	Light gray F-C SAND (SP); some concrete fragments; trace brick fragments; FILL; 12".	7			36/60		max PID = 50 ppm dry no odor/staining
	Light brown/greenish gray mottled CLAY (CL); trace slag fragments; trace concrete fragments; FILL; 12".	8					max PID = 200 ppm dry no odor/staining
	Light brown/dark gray mottled F-C SAND (SP); some slag fragments; trace coal fragments; trace brick frag; FILL; 12".	9					max PID = 35 ppm moist no odor/staining
	END OF BORING	10					
		11					
		12					
		13					
		14					

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LOG OF BORING CSO SB-2B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Light gray F-C SAND (SP); few concrete fragments; trace brick fragments; FILL; 18".	1 / 1.5					max PID = 0.0ppm dry no odor/staining
	Dark gray F-C SAND (SP); little concrete fragments; trace brick fragments; trace wood fragments; 4" lens of solid brick @ 24"-28"; FILL; 18".	2			36/60		max PID = 500ppm dry no odor/staining
	No recovery 3-5' bgs	3 / 4					
2	Dark gray F-C SAND (SP); some slag fragments; trace ash; FILL; 12".	5					max PID = 1000ppm dry no odor/staining sample CSO-SB-2B-5-5.5' collected.
	Brick fragments; FILL; 12".	6					
	Dark brown gravelly F-M SAND (SP); trace cobbles; FILL; 12".	7			60/60		max PID = 25ppm dry no odor/staining
	Yellowish orange SILT (ML); trace F-M sand; trace gravel; trace cobbles; 24".	8 / 9					max PID = 6ppm dry no odor/staining
	END OF BORING	10 / 11 / 12 / 13 / 14					

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LOG OF BORING CSO SB-3A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Concrete; 6".	0.5					
	Light brown F-C SAND (SP); some brick frag; FILL; 6".	1					max PID = 0.0ppm; dry; no odor/staining
	Light gray F-C SAND (SP); some concrete fragments; trace brick fragments; FILL; 12".	2					max PID = 3.0ppm dry no odor/staining
	No recovery 2-5' bgs	3 4			24/60		
2	No recovery 5-6' bgs	5					
	Creosote-treated wood lens; 6".	6 6.5					
	Dark gray F-C SAND (SP); some coal ash and coal fragments; little slag fragments; trace gravel; FILL; 12".	7 7.5			48/60		max PID = 180 ppm dry no odor/staining
	Light brown/light gray mottled silty F SAND (SM); trace gravel; FILL; 12".	8 8.5					max PID = 50 ppm dry no odor/staining
	F-C SLAG fragments; some F-C sand; little coal ash and coal fragments; FILL; 18".	9					max PID = 1000 ppm dry no odor/staining. sample CSO-SB-3A-8.5-9 collected.
	END OF BORING	10 11 12 13 14					

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LOG OF BORING CSO SB-3B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	Light gray F-C SAND (SP); little concrete fragments; little brick fragments; FILL; 18"	1 / 1.5					max PID = 0.0ppm dry no odor/staining
	Concrete/brick fragments; FILL; 6"	2					max PID = 0.0ppm
1	Dark gray F-C SAND (SP); some coal ash and coal fragments; trace concrete fragments; FILL; 24"	3			48/60		max PID = 6ppm dry no odor/staining
	No recovery 4-5' bgs	4 / 5					
	No recovery 5-7' bgs	6					
2	Dark gray F-C SAND (SP); some coal ash and coal fragments; little slag fragments; trace treated wood fragments; 2" lens of brick from 108"-110"; FILL; 36".	7 / 8 / 9			36/60		max PID = 15ppm dry no odor/staining
	END OF BORING	10 / 11 / 12 / 13 / 14					

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LOG OF BORING CSO SB-4A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Concrete fragments; little dark gray F-C sand; trace brick fragments; FILL; 12".	1					max PID = 1.5 ppm moist no odor/staining
	Dark gray F-C SAND (SP); trace brick and concrete fragments; FILL; 12".	2					max PID = 70 ppm moist no odor/staining
	Light gray F-C SAND (SP); some brick fragments; little concrete frag; 3" lens of wood fragments @ 45"-48"; FILL; 24".	3			60/60		max PID = 1000 ppm moist no staining organic odor present on wood lens.
	Dark gray F-C SAND (SP); some coal ash and coal fragments; trace slag; FILL; 12".	4					max PID = 950 ppm dry no odor/staining
2	Dark brown silty F-C SAND (SP); trace brick fragments; trace coal fragments; FILL; 48".	5, 6, 7, 8			60/60		max PID = 500 ppm moist no odor/staining
	Greenish gray SILT (ML); trace F sand; 12".	9					max PID = 25 ppm moist no odor/staining
	END OF BORING	10, 11, 12, 13, 14					

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LOG OF BORING CSO SB-4B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft		
SAMPLER HAMMER / WEIGHT / DROP		INSPECTOR	GREGORY WYKA

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in/.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Dark gray F-C SAND (SP); little concrete and brick fragments; trace coal ash and cinders; FILL; 12".	1					max PID = 0.0 ppm dry no odors/staining
	Light brown F-C SAND (SP); little brick fragments; trace concrete fragments; FILL; 18".	2					max PID = 0.0 ppm dry no odors/staining
	Light brown F SAND (SP); trace treated wood, brick and slag fragments; FILL; 12".	2.5 / 3			54/60		max PID = 11 ppm dry no odors/staining
	F-C COAL fragments; trace coal ash and cinders; trace concrete fragments; FILL; 6".	3.5					max PID = 0.5 ppm; dry; no odor/staining
	Light brown/light gray mottled F SAND (SW); FILL; 6".	4 / 4.5					max PID = 35 ppm; dry; no odor/staining
	No recovery 4.5-5' bgs	5					
2	No recovery 5-6' bgs	6					
	Light gray F-C SAND (SP); little brick fragments; FILL; 6".	6.5					max PID = 11 ppm; moist; no odor/staining
	Light brown F-C SAND (SP); some coarse slag fragments; few ash; FILL; 18".	7			48/60		max PID = 1400 ppm dry no odor/staining Sample CSO-SB-4B-5.5-6.0 collected from 6.5-7' bgs. Sample ID is incorrect.
	Light brown/dark gray mottled F-C SAND (SP); little slag fragments; trace coal fragments; trace treated wood fragments; FILL; 24".	8 / 9					max PID = 10 ppm dry no odor/staining
	END OF BORING	10 / 11 / 12 / 13 / 14					

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LOG OF BORING CSO SB-5A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Dark gray F-C SAND (SP); little concrete and brick fragments; trace coal fragments; trace glass fragments; FILL; 48".	1, 2, 3			48/60		max PID = 450 ppm; moist; no odor/staining
	No recovery 4-5' bgs	4, 5					
2	No recovery 5-6' bgs	6					
	Concrete / brick fragments; 6".						
	6" lens of solid creosote-treated wood	7			48/60		
	Dark gray silty SAND (SP); little coal ash and coal fragments; trace creosote-treated wood fragments; FILL; 6".	7.5					max PID = 20 ppm; moist; no odors/staining.
	Yellowish orange SILT (ML); trace F sand; FILL; 6".	8					max PID = 900 ppm; dry; no odors/staining; sample CSO SB-5A. 7.5-8 collected
	Greenish gray SILT (ML); trace F sand; trace creosote-treated wood fragments; FILL; 24".	9					max PID = 100 ppm; moist; no odor/staining
	END OF BORING	10, 11, 12, 13, 14					

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ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING CSO SB-5B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Light gray F-C SAND (SP); little concrete and brick fragments; trace creosote-treated wood fragments; FILL; 36".	1, 2			60/60		max PID = 670 ppm; moist; no odor/staining
	Dark brown F-C SAND (SP); little slag fragments; trace brick and creosote-treated wood fragments; 4" lens of solid creosote-treated wood @ 56"-60"; FILL; 24".	3, 4					max PID = 200 ppm; dry; no odor/staining
2	No recovery 5-5.5' bgs	5, 5.5					
	Light gray F-C SAND (SP); little brick fragments; 2" creosote-treated wood lens @ 72"-74" and 76"-78"; 4" creosote-treated wood lens @ 80"-84"; FILL; 24".	6, 7, 7.5			54/60		max PID = 300 ppm; moist; no odor/staining
	Yellowish orange/dark brown mottled SILT (ML); trace slag fragments; FILL; 6".						max PID = 2 ppm; dry; no odor/staining
	Light gray SILT (ML); trace slag fragments; FILL; 6".	8, 8.5					max PID = 100 ppm; dry; no odor/staining
	Light gray F-C SAND (SP); some slag fragments; little brick fragments; trace creosote-treated wood fragments; trace cobbles and gravel; FILL; 18".	9					max PID = 100 ppm; moist; no odors/staining
	END OF BORING	10, 11, 12, 13, 14					

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LOG OF BORING CSO SB-6A **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES: DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL: FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Dark gray F-C SAND (SP); little concrete and brick fragments; trace coal frag; FILL; 36".	1, 2			48/60		max PID = 1000 ppm dry no odor / staining
	Dark brown F-C SAND (SP); trace coal, brick, concrete, slag and root fragments; FILL; 12".	3, 4					max PID = 1000 ppm moist no odor / staining sample CSO_SB-6A_3.5-4 collected.
	No recovery 4-5' bgs	5					
2	No recovery 5-7' bgs	6					
	Dark gray F-C SAND (SP); little slag fragments; trace brick fragments; trace concrete fragments; FILL; 18".	7, 8			36/60		max PID = 450 ppm moist no odor / staining
	Yellowish orange SILT (ML); trace F sand; FILL; 6".	8.5					max PID = 50 ppm; moist; no odor / staining
	Dark gray F-C SAND (SP); little slag fragments; trace brick fragments; trace cobbles; FILL; 12".	9					max PID = 150 ppm moist no odor / staining
	END OF BORING	10, 11, 12, 13, 14					

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LOG OF BORING CSO SB-6B **SHEET** 1 **OF** 1

PROJECT	GREENPOINT LANDING	PROJECT NO.	170229002
LOCATION	BROOKLYN, NEW YORK	ELEVATION AND DATUM	
DRILLING AGENCY	AQUIFER DRILLING + TESTING, INC.	DATE STARTED 9/14/13	DATE FINISHED 9/14/13
DRILLING EQUIPMENT	SONIC DRILL RIG	COMPLETION DEPTH 10'	ROCK DEPTH N/A
SIZE AND TYPE OF BIT		NO. SAMPLES / DIST. / UNDIST. / CORE	
CASING	4" ID	WATER LEVEL / FIRST / COMPL. / 24 HR.	
CASING HAMMER / WEIGHT / DROP		FOREMAN	CHRIS STRATTON
SAMPLER	4" ID x 5 ft	INSPECTOR	GREGORY WYKA
SAMPLER HAMMER / WEIGHT / DROP			

RUN	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1	Concrete and brick fragments; FILL; 48".	1, 2, 3			48/60		max PID = 16 ppm dry no odors / staining
	No recovery 4-5' bgs	4, 5					
2	Light brown silty F-C SAND (SP); little brick and concrete frag; FILL; 48".	6, 7, 8			60/60		max PID = 1.5 ppm moist no odors / staining
	Light gray silty F-M SAND (SP); trace slag frag; trace porcelain frag; FILL; 12".	9, 10					max PID = 11 ppm moist no odors / staining
	END OF BORING	11, 12, 13, 14					

ATTACHMENT C

BUILDING G1

GROUNDWATER SAMPLING LOGS

MONITORING WELL SAMPLING FORM

Site: Greenpoint Landing	**Well ID:**	GB-12 (OW)	**Job No.**	170229002	
Date: 9/19/2013	**Weather:**	Clear Mid 70's	**Sampling Personnel:**	G. Wyka / S.Harrison	

Well Information

Sample ID	GB-12 (OW)
Well Depth (ft)	Unknown
Screened Interval (ft)	Unknown
Casing Elevation (msl)	-
Casing Diameter (in)	2
Depth to Water (ft)	8.14
Water Elevation (msl)	-
Casing Volume (gal)	-
PID/FID Reading (ppm)	0

Purging Information

Purging Method	Low Flow
Purging Rate (l/m; gpm)	~500 mL/min
Start Purge Time	1153
End Purge Time	1305
Volume Purged (gal)	15

Sampling Information

Sampling Method	Low Flow
Start Sampling Time	1310
End Sampling Time	1330
Depth Before Sampling (ft)	8.12
Number Bottles Collected	Multiple

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
11:53 AM	6.42	4.186	447.6	20.22	20.22	-100.00	8.14	
11:58 AM	6.41	4.308	407.8	19.99	19.99	-105.80	8.14	
12:03 PM	6.43	4.392	344.8	19.97	19.97	-108.40	8.13	
12:08 PM	6.40	4.400	38.2	20.08	20.08	-105.40	8.14	
12:13 PM	6.39	4.453	40.1	19.98	19.98	-106.10	8.13	
12:18 PM	6.40	4.617	9.1	20.41	20.41	-106.80	8.11	
12:25 PM	6.41	4.534	21.6	20.82	20.82	-104.70	8.11	
12:30 PM	6.43	4.504	27.5	21.06	21.06	-103.60	8.12	
12:35 PM	6.41	4.456	21	21.11	21.11	-104.80	8.13	
12:40 PM	6.43	4.471	11.5	21.48	21.48	-105.20	8.12	
12:45 PM	6.41	4.347	14	21.29	21.29	-102.40	8.12	
12:50 PM	6.40	4.563	7.3	19.93	19.93	-103.80	8.14	
12:55 PM	6.39	4.603	3.4	19.77	19.77	-105.00	8.12	
1:00 PM	6.39	4.606	2.8	19.81	19.81	-105.80	8.12	
1:05 PM	6.40	4.494	2.1	19.98	19.98	-103.10	8.12	

Notes/Remarks

1. Samples analyzed for NYCDEP Sewer Discharge Parameters and NYSDEC SPDES Dewatering Parameters

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

ATTACHMENT D

LABORATORY ANALYTICAL DATA REPORTS (SOIL)

ANALYTICAL REPORT

Lab Number:	L1318001
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:	09/23/13

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: L1318001
Report Date: 09/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318001-01	G2_SB-02A_1.0-1.5	BROOKLYN, NY	09/12/13 09:00
L1318001-02	G2_COMP-02_0-5	BROOKLYN, NY	09/12/13 09:00
L1318001-03	G2_SB-03A_4.5-5	BROOKLYN, NY	09/12/13 11:00
L1318001-04	G2_COMP-03_0-5	BROOKLYN, NY	09/12/13 11:00
L1318001-05	G2_DUP	BROOKLYN, NY	09/12/13 00:00
L1318001-06	G2_COMP-DUP	BROOKLYN, NY	09/12/13 00:00
L1318001-07	FB01_091213	BROOKLYN, NY	09/12/13 11:45
L1318001-08	TB01_091213	BROOKLYN, NY	09/12/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318001
Project Number: 170229002 **Report Date:** 09/23/13

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 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.

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

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

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.

Semivolatile Organics

The WG636053-2/-3 LCS/LCSD recoveries, associated with L1318001-07, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

The WG636111-2/-3 LCS/LCSD recoveries, associated with L1318001-02, -04, and -06, are above the acceptance criteria for 1,2,4-trichlorobenzene (LCS at 109%), 2,4-dinitrotoluene (136%/137%), 2-nitroaniline (135%/136%), p-chloro-m-cresol (132%/130%), 2-chlorophenol (112%/104%), 4-nitrophenol (132%/138%), and phenol (112%/104%); however, the associated samples are non-detect for these target compounds. The results of the original analysis are reported.

PCBs

L1318001-07 has elevated detection limits due to limited sample volume available for analysis.

Pesticides

L1318001-02, -04, and -06 have elevated detection limits due to the dilutions required by the sample matrices.

Due to a laboratory oversight, the WG636605-1 Method Blank, associated with L1318001-07, was spiked with spike solution and is not reported. The associated sample is non-detect with acceptable surrogate recoveries.

Herbicides

The WG635979-2 LCS recovery, associated with L1318001-02, -04, and -06, is above the acceptance criteria for 2,4-d (155%); however, the associated samples are non-detect for this target compound. The results of the original analysis are reported.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

Case Narrative (continued)

Metals

L1318001-02, -04, and -06 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

Chromium, Hexavalent

L1318001-07 was analyzed with the method required holding time exceeded.

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: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/23/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-01	Date Collected:	09/12/13 09:00
Client ID:	G2_SB-02A_1.0-1.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 23:25		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	4.0	J	ug/kg	9.3	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.19	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.93	0.13	1
Chlorobenzene	ND		ug/kg	0.93	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.10	1
Bromodichloromethane	ND		ug/kg	0.93	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	0.16	1
Benzene	ND		ug/kg	0.93	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.93	0.14	1
Chloromethane	ND		ug/kg	4.6	0.72	1
Bromomethane	0.85	J	ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.93	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-01 Date Collected: 09/12/13 09:00

Client ID: G2_SB-02A_1.0-1.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.14	1
Dibromomethane	ND		ug/kg	9.3	0.15	1
Styrene	ND		ug/kg	1.8	0.29	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.20	1
Acetone	55		ug/kg	9.3	2.9	1
Carbon disulfide	ND		ug/kg	9.3	1.8	1
2-Butanone	7.0	J	ug/kg	9.3	0.33	1
Vinyl acetate	ND		ug/kg	9.3	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.3	0.21	1
2-Hexanone	ND		ug/kg	9.3	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.93	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.93	0.18	1
sec-Butylbenzene	ND		ug/kg	0.93	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.93	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.3	0.22	1
n-Propylbenzene	ND		ug/kg	0.93	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Methyl Acetate	ND		ug/kg	18	0.71	1
Cyclohexane	ND		ug/kg	18	0.99	1
1,4-Dioxane	ND		ug/kg	93	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-01	Date Collected:	09/12/13 09:00
Client ID:	G2_SB-02A_1.0-1.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.25	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	0.33	J	ug/kg	4.6	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.42	1
Methyl cyclohexane	ND		ug/kg	3.7	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-03	Date Collected:	09/12/13 11:00
Client ID:	G2_SB-03A_4.5-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/18/13 16:27		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.8	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.17	1
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.98	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.98	0.30	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	0.98	0.14	1
Chlorobenzene	ND		ug/kg	0.98	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.12	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.98	0.11	1
Bromodichloromethane	ND		ug/kg	0.98	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.98	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.9	0.44	1
Bromoform	ND		ug/kg	3.9	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.98	0.17	1
Benzene	ND		ug/kg	0.98	0.12	1
Toluene	0.17	J	ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	4.9	0.76	1
Bromomethane	0.33	J	ug/kg	2.0	0.33	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.98	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.24	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-03 Date Collected: 09/12/13 11:00

Client ID: G2_SB-03A_4.5-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.31	1
o-Xylene	ND		ug/kg	2.0	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.14	1
Dibromomethane	ND		ug/kg	9.8	0.16	1
Styrene	ND		ug/kg	2.0	0.30	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.21	1
Acetone	9.1	J	ug/kg	9.8	3.0	1
Carbon disulfide	ND		ug/kg	9.8	2.0	1
2-Butanone	1.4	J	ug/kg	9.8	0.35	1
Vinyl acetate	ND		ug/kg	9.8	0.47	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.8	0.22	1
2-Hexanone	ND		ug/kg	9.8	0.18	1
Bromochloromethane	ND		ug/kg	4.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	4.9	0.22	1
1,2-Dibromoethane	ND		ug/kg	3.9	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.9	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.98	0.31	1
Bromobenzene	ND		ug/kg	4.9	0.20	1
n-Butylbenzene	ND		ug/kg	0.98	0.19	1
sec-Butylbenzene	ND		ug/kg	0.98	0.20	1
tert-Butylbenzene	ND		ug/kg	4.9	0.55	1
o-Chlorotoluene	ND		ug/kg	4.9	0.16	1
p-Chlorotoluene	ND		ug/kg	4.9	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	0.77	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.41	1
Isopropylbenzene	ND		ug/kg	0.98	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.19	1
Naphthalene	1.5	J	ug/kg	4.9	0.75	1
Acrylonitrile	ND		ug/kg	9.8	0.23	1
n-Propylbenzene	ND		ug/kg	0.98	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.9	0.77	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.9	0.56	1
Methyl Acetate	ND		ug/kg	20	0.74	1
Cyclohexane	ND		ug/kg	20	1.0	1
1,4-Dioxane	ND		ug/kg	98	17.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-03	Date Collected:	09/12/13 11:00
Client ID:	G2_SB-03A_4.5-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.27	1
p-Diethylbenzene	ND		ug/kg	3.9	0.16	1
p-Ethyltoluene	ND		ug/kg	3.9	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.13	1
Ethyl ether	ND		ug/kg	4.9	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	0.44	1
Methyl cyclohexane	ND		ug/kg	3.9	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-05	Date Collected:	09/12/13 00:00
Client ID:	G2_DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 23:59		
Analyst:	PP		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	4.0	J	ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.46	1
Bromoform	ND		ug/kg	4.1	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.1	0.80	1
Bromomethane	0.97	J	ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.25	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-05 Date Collected: 09/12/13 00:00

Client ID: G2_DUP Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.11	1
p/m-Xylene	ND		ug/kg	2.0	0.33	1
o-Xylene	ND		ug/kg	2.0	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	16		ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	2.2	J	ug/kg	10	0.36	1
Vinyl acetate	ND		ug/kg	10	0.49	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.1	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.1	0.57	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.80	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.43	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.19	1
Naphthalene	21		ug/kg	5.1	0.78	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.80	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.58	1
Methyl Acetate	ND		ug/kg	20	0.78	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-05 Date Collected: 09/12/13 00:00

Client ID: G2_DUP Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.28	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.46	1
Methyl cyclohexane	ND		ug/kg	4.1	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/18/13 16:11		
Analyst:	PD		

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	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-07 Date Collected: 09/12/13 11:45

Client ID: FB01_091213 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	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	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-08	Date Collected:	09/12/13 00:00
Client ID:	TB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/18/13 16:49		
Analyst:	PD		

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	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-08 Date Collected: 09/12/13 00:00

Client ID: TB01_091213 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	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	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-08	Date Collected:	09/12/13 00:00
Client ID:	TB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 11:42
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG637406-3					
Methylene chloride	2.4	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	0.86	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 11:42
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG637406-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 11:42
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG637406-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	106		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 14:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG637538-3					
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	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 14:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG637538-3					
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	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
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
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

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/13 14:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG637538-3					
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	0.24
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	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	93		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05 Batch: WG637772-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	1.3	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05 Batch: WG637772-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,05 Batch: WG637772-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								
Methylene chloride	110		105		70-130	5		30
1,1-Dichloroethane	102		96		70-130	6		30
Chloroform	100		95		70-130	5		30
Carbon tetrachloride	98		90		70-130	9		30
1,2-Dichloropropane	101		98		70-130	3		30
Dibromochloromethane	114		108		70-130	5		30
1,1,2-Trichloroethane	112		104		70-130	7		30
Tetrachloroethene	101		92		70-130	9		30
Chlorobenzene	105		100		70-130	5		30
Trichlorofluoromethane	90		80		70-139	12		30
1,2-Dichloroethane	99		95		70-130	4		30
1,1,1-Trichloroethane	100		95		70-130	5		30
Bromodichloromethane	105		100		70-130	5		30
trans-1,3-Dichloropropene	89		83		70-130	7		30
cis-1,3-Dichloropropene	92		87		70-130	6		30
1,1-Dichloropropene	97		89		70-130	9		30
Bromoform	106		100		70-130	6		30
1,1,2,2-Tetrachloroethane	118		111		70-130	6		30
Benzene	103		97		70-130	6		30
Toluene	101		95		70-130	6		30
Ethylbenzene	106		101		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								
Chloromethane	107		97		52-130	10		30
Bromomethane	110		103		57-147	7		30
Vinyl chloride	110		99		67-130	11		30
Chloroethane	110		100		50-151	10		30
1,1-Dichloroethene	100		93		65-135	7		30
trans-1,2-Dichloroethene	100		94		70-130	6		30
Trichloroethene	98		92		70-130	6		30
1,2-Dichlorobenzene	109		105		70-130	4		30
1,3-Dichlorobenzene	109		105		70-130	4		30
1,4-Dichlorobenzene	108		105		70-130	3		30
Methyl tert butyl ether	84		80		66-130	5		30
p/m-Xylene	106		99		70-130	7		30
o-Xylene	106		100		70-130	6		30
cis-1,2-Dichloroethene	102		98		70-130	4		30
Dibromomethane	99		95		70-130	4		30
Styrene	111		107		70-130	4		30
Dichlorodifluoromethane	69		62		30-146	11		30
Acetone	**148**	Q	106		54-140	**33**	Q	30
Carbon disulfide	95		86		59-130	10		30
2-Butanone	114		87		70-130	27		30
Vinyl acetate	101		98		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								
4-Methyl-2-pentanone	99		93		70-130	6		30
1,2,3-Trichloropropane	112		105		68-130	6		30
2-Hexanone	112		94		70-130	17		30
Bromochloromethane	100		97		70-130	3		30
2,2-Dichloropropane	84		80		70-130	5		30
1,2-Dibromoethane	115		106		70-130	8		30
1,3-Dichloropropane	108		100		69-130	8		30
1,1,1,2-Tetrachloroethane	103		97		70-130	6		30
Bromobenzene	106		103		70-130	3		30
n-Butylbenzene	111		104		70-130	7		30
sec-Butylbenzene	110		104		70-130	6		30
tert-Butylbenzene	106		100		70-130	6		30
o-Chlorotoluene	110		106		70-130	4		30
p-Chlorotoluene	108		105		70-130	3		30
1,2-Dibromo-3-chloropropane	104		96		68-130	8		30
Hexachlorobutadiene	94		88		67-130	7		30
Isopropylbenzene	105		98		70-130	7		30
p-Isopropyltoluene	107		101		70-130	6		30
Naphthalene	101		101		70-130	0		30
Acrylonitrile	112		101		70-130	10		30
Isopropyl Ether	100		96		66-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								
tert-Butyl Alcohol	103		98		70-130	5		30
n-Propylbenzene	110		106		70-130	4		30
1,2,3-Trichlorobenzene	105		103		70-130	2		30
1,2,4-Trichlorobenzene	105		102		70-130	3		30
1,3,5-Trimethylbenzene	108		103		70-130	5		30
1,2,4-Trimethylbenzene	108		103		70-130	5		30
Methyl Acetate	113		93		51-146	19		30
Ethyl Acetate	112		105		70-130	6		30
Acrolein	108		97		70-130	11		30
Cyclohexane	96		87		59-142	10		30
1,4-Dioxane	113		106		65-136	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	98		88		50-139	11		30
1,4-Diethylbenzene	108		103		70-130	5		30
4-Ethyltoluene	110		104		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		100		70-130	4		30
Tetrahydrofuran	107		98		66-130	9		30
Ethyl ether	103		97		67-130	6		30
trans-1,4-Dichloro-2-butene	112		99		70-130	12		30
Methyl cyclohexane	97		90		70-130	7		30
Ethyl-Tert-Butyl-Ether	99		97		70-130	2		30
Tertiary-Amyl Methyl Ether	**60**	Q	**60**	Q	70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG637406-1 WG637406-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		95		70-130
Toluene-d8	103		100		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	110		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								
Methylene chloride	96		100		70-130	4		20
1,1-Dichloroethane	87		93		70-130	7		20
Chloroform	83		89		70-130	7		20
Carbon tetrachloride	73		83		63-132	13		20
1,2-Dichloropropane	92		96		70-130	4		20
Dibromochloromethane	89		96		63-130	8		20
1,1,2-Trichloroethane	102		103		70-130	1		20
Tetrachloroethene	88		93		70-130	6		20
Chlorobenzene	91		96		75-130	5		20
Trichlorofluoromethane	80		88		62-150	10		20
1,2-Dichloroethane	82		87		70-130	6		20
1,1,1-Trichloroethane	75		84		67-130	11		20
Bromodichloromethane	81		89		67-130	9		20
trans-1,3-Dichloropropene	80		87		70-130	8		20
cis-1,3-Dichloropropene	89		95		70-130	7		20
1,1-Dichloropropene	90		98		70-130	9		20
Bromoform	88		100		54-136	13		20
1,1,2,2-Tetrachloroethane	110		114		67-130	4		20
Benzene	92		98		70-130	6		20
Toluene	92		96		70-130	4		20
Ethylbenzene	88		93		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								
Chloromethane	95		101		64-130	6		20
Bromomethane	83		95		39-139	13		20
Vinyl chloride	97		104		55-140	7		20
Chloroethane	94		100		55-138	6		20
1,1-Dichloroethene	90		97		61-145	7		20
trans-1,2-Dichloroethene	92		99		70-130	7		20
Trichloroethene	84		88		70-130	5		20
1,2-Dichlorobenzene	96		102		70-130	6		20
1,3-Dichlorobenzene	94		98		70-130	4		20
1,4-Dichlorobenzene	91		98		70-130	7		20
Methyl tert butyl ether	105		108		63-130	3		20
p/m-Xylene	91		95		70-130	4		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	98		102		70-130	4		20
Dibromomethane	91		97		70-130	6		20
1,2,3-Trichloropropane	105		106		64-130	1		20
Acrylonitrile	111		110		70-130	1		20
Isopropyl Ether	101		104		70-130	3		20
tert-Butyl Alcohol	123		125		70-130	2		20
Styrene	96		101		70-130	5		20
Dichlorodifluoromethane	114		123		36-147	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								
Acetone	126		**152**	Q	58-148	19		20
Carbon disulfide	97		106		51-130	9		20
2-Butanone	116		129		63-138	11		20
Vinyl acetate	95		96		70-130	1		20
4-Methyl-2-pentanone	105		107		59-130	2		20
2-Hexanone	113		117		57-130	3		20
Bromochloromethane	97		101		70-130	4		20
2,2-Dichloropropane	79		85		63-133	7		20
1,2-Dibromoethane	98		102		70-130	4		20
1,3-Dichloropropane	99		102		70-130	3		20
1,1,1,2-Tetrachloroethane	89		97		64-130	9		20
Bromobenzene	96		100		70-130	4		20
n-Butylbenzene	94		100		53-136	6		20
sec-Butylbenzene	98		104		70-130	6		20
tert-Butylbenzene	97		104		70-130	7		20
o-Chlorotoluene	92		97		70-130	5		20
p-Chlorotoluene	92		97		70-130	5		20
1,2-Dibromo-3-chloropropane	93		103		41-144	10		20
Hexachlorobutadiene	100		106		63-130	6		20
Isopropylbenzene	92		99		70-130	7		20
p-Isopropyltoluene	91		97		70-130	6		20

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
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								
Naphthalene	109		114		70-130	4		20
n-Propylbenzene	94		101		69-130	7		20
1,2,3-Trichlorobenzene	106		112		70-130	6		20
1,2,4-Trichlorobenzene	98		104		70-130	6		20
1,3,5-Trimethylbenzene	94		100		64-130	6		20
1,2,4-Trimethylbenzene	95		100		70-130	5		20
Methyl Acetate	109		111		70-130	2		20
Ethyl Acetate	110		118		70-130	7		20
Cyclohexane	101		108		70-130	7		20
Ethyl-Tert-Butyl-Ether	101		104		70-130	3		20
Tertiary-Amyl Methyl Ether	100		104		66-130	4		20
1,4-Dioxane	116		126		56-162	8		20
Freon-113	94		100		70-130	6		20
p-Diethylbenzene	94		102		70-130	8		20
p-Ethyltoluene	95		101		70-130	6		20
1,2,4,5-Tetramethylbenzene	98		102		70-130	4		20
Ethyl ether	105		110		59-134	5		20
trans-1,4-Dichloro-2-butene	90		91		70-130	1		20
Iodomethane	78		85		70-130	9		20
Methyl cyclohexane	100		107		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG637538-1 WG637538-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		91		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	91		93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								
Methylene chloride	113		124		70-130	9		30
1,1-Dichloroethane	104		106		70-130	2		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	99		98		70-130	1		30
1,2-Dichloropropane	102		104		70-130	2		30
Dibromochloromethane	112		117		70-130	4		30
1,1,2-Trichloroethane	108		113		70-130	5		30
Tetrachloroethene	102		102		70-130	0		30
Chlorobenzene	106		109		70-130	3		30
Trichlorofluoromethane	87		94		70-139	8		30
1,2-Dichloroethane	99		104		70-130	5		30
1,1,1-Trichloroethane	107		106		70-130	1		30
Bromodichloromethane	106		109		70-130	3		30
trans-1,3-Dichloropropene	86		89		70-130	3		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
1,1-Dichloropropene	100		99		70-130	1		30
Bromoform	103		110		70-130	7		30
1,1,2,2-Tetrachloroethane	113		122		70-130	8		30
Benzene	106		106		70-130	0		30
Toluene	102		103		70-130	1		30
Ethylbenzene	109		110		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								
Chloromethane	125		126		52-130	1		30
Bromomethane	126		126		57-147	0		30
Vinyl chloride	128		127		67-130	1		30
Chloroethane	107		106		50-151	1		30
1,1-Dichloroethene	107		107		65-135	0		30
trans-1,2-Dichloroethene	105		105		70-130	0		30
Trichloroethene	100		100		70-130	0		30
1,2-Dichlorobenzene	107		112		70-130	5		30
1,3-Dichlorobenzene	107		111		70-130	4		30
1,4-Dichlorobenzene	108		112		70-130	4		30
Methyl tert butyl ether	83		85		66-130	2		30
p/m-Xylene	108		109		70-130	1		30
o-Xylene	107		109		70-130	2		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	97		104		70-130	7		30
Styrene	111		115		70-130	4		30
Dichlorodifluoromethane	84		95		30-146	12		30
Acetone	119		131		54-140	10		30
Carbon disulfide	104		102		59-130	2		30
2-Butanone	101		108		70-130	7		30
Vinyl acetate	101		107		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								
4-Methyl-2-pentanone	101		108		70-130	7		30
1,2,3-Trichloropropane	108		116		68-130	7		30
2-Hexanone	106		116		70-130	9		30
Bromochloromethane	100		106		70-130	6		30
2,2-Dichloropropane	87		84		70-130	4		30
1,2-Dibromoethane	111		118		70-130	6		30
1,3-Dichloropropane	103		109		69-130	6		30
1,1,1,2-Tetrachloroethane	103		106		70-130	3		30
Bromobenzene	106		109		70-130	3		30
n-Butylbenzene	110		111		70-130	1		30
sec-Butylbenzene	110		111		70-130	1		30
tert-Butylbenzene	107		107		70-130	0		30
o-Chlorotoluene	110		112		70-130	2		30
p-Chlorotoluene	109		111		70-130	2		30
1,2-Dibromo-3-chloropropane	99		108		68-130	9		30
Hexachlorobutadiene	92		95		67-130	3		30
Isopropylbenzene	108		108		70-130	0		30
p-Isopropyltoluene	107		107		70-130	0		30
Naphthalene	103		111		70-130	7		30
Acrylonitrile	104		116		70-130	11		30
Isopropyl Ether	101		104		66-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								
tert-Butyl Alcohol	104		110		70-130	6		30
n-Propylbenzene	110		112		70-130	2		30
1,2,3-Trichlorobenzene	105		111		70-130	6		30
1,2,4-Trichlorobenzene	103		107		70-130	4		30
1,3,5-Trimethylbenzene	108		109		70-130	1		30
1,2,4-Trimethylbenzene	106		109		70-130	3		30
Methyl Acetate	105		116		51-146	10		30
Ethyl Acetate	111		120		70-130	8		30
Acrolein	99		109		70-130	10		30
Cyclohexane	87		97		59-142	11		30
1,4-Dioxane	111		123		65-136	10		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	87		98		50-139	12		30
1,4-Diethylbenzene	108		109		70-130	1		30
4-Ethyltoluene	110		111		70-130	1		30
1,2,4,5-Tetramethylbenzene	105		108		70-130	3		30
Tetrahydrofuran	105		116		66-130	10		30
Ethyl ether	104		108		67-130	4		30
trans-1,4-Dichloro-2-butene	101		105		70-130	4		30
Methyl cyclohexane	87		97		70-130	11		30
Ethyl-Tert-Butyl-Ether	101		103		70-130	2		30
Tertiary-Amyl Methyl Ether	**62**	Q	**63**	Q	70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,05 Batch: WG637772-1 WG637772-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	104		103		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/14/13 09:38
Analytical Date:	09/17/13 19:41		
Analyst:	JB		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	640		ug/kg	140	37.	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	46.	1
Fluoranthene	6500		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	610		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	160	J	ug/kg	180	48.	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	45.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	2900		ug/kg	110	36.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-02 Date Collected: 09/12/13 09:00

Client ID: G2_COMP-02_0-5 Date Received: 09/12/13

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)pyrene	3000		ug/kg	140	44.	1
Benzo(b)fluoranthene	3600		ug/kg	110	37.	1
Benzo(k)fluoranthene	1400		ug/kg	110	35.	1
Chrysene	3200		ug/kg	110	36.	1
Acenaphthylene	180		ug/kg	140	34.	1
Anthracene	1300		ug/kg	110	30.	1
Benzo(ghi)perylene	2000		ug/kg	140	38.	1
Fluorene	610		ug/kg	180	52.	1
Phenanthrene	5800		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	460		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	2100		ug/kg	140	40.	1
Pyrene	6000		ug/kg	110	35.	1
Biphenyl	94	J	ug/kg	410	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	530		ug/kg	180	61.	1
2-Methylnaphthalene	310		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	66.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	58.	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	700		ug/kg	180	39.	1
Benzaldehyde	ND		ug/kg	240	73.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	94		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	111		0-136
4-Terphenyl-d14	79		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	D	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/14/13 09:38
Analytical Date:	09/18/13 13:02			
Analyst:	JB			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	3400		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	23000		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	870	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	790	220	4
Hexachlorobutadiene	ND		ug/kg	730	200	4
Hexachlorocyclopentadiene	ND		ug/kg	2100	470	4
Hexachloroethane	ND		ug/kg	580	130	4
Isophorone	ND		ug/kg	660	190	4
Naphthalene	670	J	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	360	J	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
Benzo(a)anthracene	9100		ug/kg	440	140	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-04 D Date Collected: 09/12/13 11:00

Client ID: G2_COMP-03_0-5 Date Received: 09/12/13

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)pyrene	8000		ug/kg	580	180	4
Benzo(b)fluoranthene	9500		ug/kg	440	150	4
Benzo(k)fluoranthene	3600		ug/kg	440	140	4
Chrysene	9500		ug/kg	440	140	4
Acenaphthylene	430	J	ug/kg	580	140	4
Anthracene	5100		ug/kg	440	120	4
Benzo(ghi)perylene	4400		ug/kg	580	150	4
Fluorene	3600		ug/kg	730	210	4
Phenanthrene	24000		ug/kg	440	140	4
Dibenzo(a,h)anthracene	1100		ug/kg	440	140	4
Indeno(1,2,3-cd)Pyrene	5100		ug/kg	580	160	4
Pyrene	19000		ug/kg	440	140	4
Biphenyl	ND		ug/kg	1600	240	4
4-Chloroaniline	ND		ug/kg	730	190	4
2-Nitroaniline	ND		ug/kg	730	200	4
3-Nitroaniline	ND		ug/kg	730	200	4
4-Nitroaniline	ND		ug/kg	730	200	4
Dibenzofuran	2300		ug/kg	730	240	4
2-Methylnaphthalene	450	J	ug/kg	870	230	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	730	220	4
Acetophenone	ND		ug/kg	730	220	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	230	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	2100		ug/kg	730	160	4
Benzaldehyde	ND		ug/kg	960	290	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04 D	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	95		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	113		0-136
4-Terphenyl-d14	77		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	D	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/14/13 09:38
Analytical Date:	09/17/13 20:30			
Analyst:	JB			
Percent Solids:	91%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	730		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	92.	2
Fluoranthene	8600		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	65.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	420		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	420		ug/kg	360	94.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	ND		ug/kg	360	69.	2
Di-n-octylphthalate	ND		ug/kg	360	88.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	91.	2
Benzo(a)anthracene	3400		ug/kg	220	70.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-06 D Date Collected: 09/12/13 00:00
Client ID: G2_COMP-DUP Date Received: 09/12/13
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)pyrene	3300		ug/kg	290	88.	2
Benzo(b)fluoranthene	4200		ug/kg	220	73.	2
Benzo(k)fluoranthene	1500		ug/kg	220	69.	2
Chrysene	3800		ug/kg	220	71.	2
Acenaphthylene	220	J	ug/kg	290	67.	2
Anthracene	1500		ug/kg	220	60.	2
Benzo(ghi)perylene	2100		ug/kg	290	75.	2
Fluorene	720		ug/kg	360	100	2
Phenanthrene	7000		ug/kg	220	70.	2
Dibenzo(a,h)anthracene	460		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	2300		ug/kg	290	80.	2
Pyrene	7600		ug/kg	220	70.	2
Biphenyl	ND		ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	95.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	99.	2
4-Nitroaniline	ND		ug/kg	360	97.	2
Dibenzofuran	540		ug/kg	360	120	2
2-Methylnaphthalene	240	J	ug/kg	430	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	690		ug/kg	360	77.	2
Benzaldehyde	ND		ug/kg	480	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	D	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	99.	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	61.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	98		0-136
4-Terphenyl-d14	78		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	09/13/13 21:35
Analytical Date:	09/18/13 00:38		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	2.0	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1
Benzaldehyde	ND		ug/l	5.0	0.60	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	1.0	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	92		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	09/13/13 21:33
Analytical Date:	09/16/13 22:48		
Analyst:	HL		

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	ND		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	107		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 18:10
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/13/13 21:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG636053-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 18:10
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/13/13 21:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG636053-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53
Benzaldehyde	ND		ug/l	5.0	0.60
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	1.0
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.65

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	90		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/16/13 20:15
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 09/13/13 21:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG636055-1					
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	0.25	J	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	0.10	J	ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	0.26	J	ug/l	0.80	0.07

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/16/13 20:15
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 09/13/13 21:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG636055-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	100		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 09:13
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/14/13 09:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG636111-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	54.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	50.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	32.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 09:13
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/14/13 09:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG636111-1					
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.
Acetophenone	ND		ug/kg	170	51.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/17/13 09:13
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/14/13 09:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG636111-1					
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	170	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	109		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	105		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	108		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG636053-2 WG636053-3								
1,2,4-Trichlorobenzene	84		88		39-98	5		30
Bis(2-chloroethyl)ether	92		95		40-140	3		30
1,2-Dichlorobenzene	85		88		40-140	3		30
1,3-Dichlorobenzene	83		85		40-140	2		30
1,4-Dichlorobenzene	84		87		36-97	4		30
3,3'-Dichlorobenzidine	73		80		40-140	9		30
2,4-Dinitrotoluene	**115**	Q	**117**	Q	24-96	2		30
2,6-Dinitrotoluene	117		115		40-140	2		30
4-Chlorophenyl phenyl ether	103		106		40-140	3		30
4-Bromophenyl phenyl ether	112		111		40-140	1		30
Bis(2-chloroisopropyl)ether	94		95		40-140	1		30
Bis(2-chloroethoxy)methane	99		100		40-140	1		30
Hexachlorocyclopentadiene	61		63		40-140	3		30
Isophorone	108		108		40-140	0		30
Nitrobenzene	101		105		40-140	4		30
NitrosoDiPhenylAmine(NDPA)/DPA	112		114		40-140	2		30
n-Nitrosodi-n-propylamine	111		114		29-132	3		30
Bis(2-Ethylhexyl)phthalate	111		112		40-140	1		30
Butyl benzyl phthalate	133		131		40-140	2		30
Di-n-butylphthalate	128		129		40-140	1		30
Di-n-octylphthalate	119		121		40-140	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG636053-2 WG636053-3								
Diethyl phthalate	119		119		40-140	0		30
Dimethyl phthalate	111		112		40-140	1		30
Biphenyl	92		96			4		30
4-Chloroaniline	72		67		40-140	7		30
2-Nitroaniline	116		117		52-143	1		30
3-Nitroaniline	77		78		25-145	1		30
4-Nitroaniline	111		109		51-143	2		30
Dibenzofuran	103		106		40-140	3		30
1,2,4,5-Tetrachlorobenzene	94		97		2-134	3		30
Acetophenone	104		107		39-129	3		30
2,4,6-Trichlorophenol	116		113		30-130	3		30
P-Chloro-M-Cresol	**117**	Q	**120**	Q	23-97	3		30
2-Chlorophenol	99		102		27-123	3		30
2,4-Dichlorophenol	106		108		30-130	2		30
2,4-Dimethylphenol	101		103		30-130	2		30
2-Nitrophenol	108		112		30-130	4		30
4-Nitrophenol	70		69		10-80	1		30
2,4-Dinitrophenol	117		126		20-130	7		30
4,6-Dinitro-o-cresol	130		130		20-164	0		30
Phenol	48		51		12-110	6		30
2-Methylphenol	95		98		30-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG636053-2 WG636053-3								
3-Methylphenol/4-Methylphenol	89		90		30-130	1		30
2,4,5-Trichlorophenol	110		110		30-130	0		30
Benzoic Acid	0		0			NC		30
Benzyl Alcohol	96		100			4		30
Carbazole	114		114		55-144	0		30
Benzaldehyde	80		80			0		30
Caprolactam	40		40			0		30
Atrazine	127		132			4		30
2,3,4,6-Tetrachlorophenol	109		113			4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		68		21-120
Phenol-d6	46		47		10-120
Nitrobenzene-d5	106		107		23-120
2-Fluorobiphenyl	92		94		15-120
2,4,6-Tribromophenol	117		120		10-120
4-Terphenyl-d14	108		108		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG636055-2 WG636055-3								
Acenaphthene	99		98		37-111	1		40
2-Chloronaphthalene	92		88		40-140	4		40
Fluoranthene	132		126		40-140	5		40
Hexachlorobutadiene	76		70		40-140	8		40
Naphthalene	86		83		40-140	4		40
Benzo(a)anthracene	129		118		40-140	9		40
Benzo(a)pyrene	129		118		40-140	9		40
Benzo(b)fluoranthene	128		116		40-140	10		40
Benzo(k)fluoranthene	129		122		40-140	6		40
Chrysene	114		110		40-140	4		40
Acenaphthylene	106		101		40-140	5		40
Anthracene	136		124		40-140	9		40
Benzo(ghi)perylene	117		101		40-140	15		40
Fluorene	103		103		40-140	0		40
Phenanthrene	117		119		40-140	2		40
Dibenzo(a,h)anthracene	123		107		40-140	14		40
Indeno(1,2,3-cd)Pyrene	120		105		40-140	13		40
Pyrene	127		121		26-127	5		40
2-Methylnaphthalene	91		87		40-140	4		40
Pentachlorophenol	87		93		9-103	7		40
Hexachlorobenzene	97		99		40-140	2		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG636055-2 WG636055-3								
Hexachloroethane	83		78		40-140	6		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		63		21-120
Phenol-d6	42		42		10-120
Nitrobenzene-d5	101		99		23-120
2-Fluorobiphenyl	96		91		15-120
2,4,6-Tribromophenol	**130**	Q	**124**	Q	10-120
4-Terphenyl-d14	132		127		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636111-2 WG636111-3								
Acenaphthene	111		112		31-137	1		50
1,2,4-Trichlorobenzene	**109**	Q	103		38-107	6		50
Hexachlorobenzene	123		127		40-140	3		50
Bis(2-chloroethyl)ether	104		98		40-140	6		50
2-Chloronaphthalene	119		114		40-140	4		50
1,2-Dichlorobenzene	104		98		40-140	6		50
1,3-Dichlorobenzene	102		98		40-140	4		50
1,4-Dichlorobenzene	102		98		28-104	4		50
3,3'-Dichlorobenzidine	96		86		40-140	11		50
2,4-Dinitrotoluene	**136**	Q	**137**	Q	28-89	1		50
2,6-Dinitrotoluene	133		130		40-140	2		50
Fluoranthene	122		124		40-140	2		50
4-Chlorophenyl phenyl ether	119		121		40-140	2		50
4-Bromophenyl phenyl ether	126		128		40-140	2		50
Bis(2-chloroisopropyl)ether	101		95		40-140	6		50
Bis(2-chloroethoxy)methane	107		101		40-117	6		50
Hexachlorobutadiene	111		104		40-140	7		50
Hexachlorocyclopentadiene	84		82		40-140	2		50
Hexachloroethane	100		96		40-140	4		50
Isophorone	111		104		40-140	7		50
Naphthalene	108		102		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636111-2 WG636111-3								
Nitrobenzene	108		102		40-140	6		50
NitrosoDiPhenylAmine(NDPA)/DPA	123		126			2		50
n-Nitrosodi-n-propylamine	110		101		32-121	9		50
Bis(2-Ethylhexyl)phthalate	127		128		40-140	1		50
Butyl benzyl phthalate	126		128		40-140	2		50
Di-n-butylphthalate	123		124		40-140	1		50
Di-n-octylphthalate	130		133		40-140	2		50
Diethyl phthalate	120		121		40-140	1		50
Dimethyl phthalate	119		121		40-140	2		50
Benzo(a)anthracene	117		121		40-140	3		50
Benzo(a)pyrene	123		122		40-140	1		50
Benzo(b)fluoranthene	120		121		40-140	1		50
Benzo(k)fluoranthene	121		122		40-140	1		50
Chrysene	117		121		40-140	3		50
Acenaphthylene	121		118		40-140	3		50
Anthracene	122		125		40-140	2		50
Benzo(ghi)perylene	112		110		40-140	2		50
Fluorene	118		120		40-140	2		50
Phenanthrene	117		118		40-140	1		50
Dibenzo(a,h)anthracene	115		114		40-140	1		50
Indeno(1,2,3-cd)Pyrene	113		112		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636111-2 WG636111-3								
Pyrene	122		124		35-142	2		50
Biphenyl	113		112			1		50
4-Chloroaniline	64		56		40-140	13		50
2-Nitroaniline	**135**	Q	**136**	Q	47-134	1		50
3-Nitroaniline	89		80		26-129	11		50
4-Nitroaniline	121		123		41-125	2		50
Dibenzofuran	115		116		40-140	1		50
2-Methylnaphthalene	114		108		40-140	5		50
1,2,4,5-Tetrachlorobenzene	114		112		40-117	2		50
Acetophenone	118		111		14-144	6		50
2,4,6-Trichlorophenol	130		128		30-130	2		50
P-Chloro-M-Cresol	**132**	Q	**130**	Q	26-103	2		50
2-Chlorophenol	**112**	Q	**104**	Q	25-102	7		50
2,4-Dichlorophenol	123		118		30-130	4		50
2,4-Dimethylphenol	126		120		30-130	5		50
2-Nitrophenol	118		111		30-130	6		50
4-Nitrophenol	**132**	Q	**138**	Q	11-114	4		50
2,4-Dinitrophenol	102		107		4-130	5		50
4,6-Dinitro-o-cresol	119		119		10-130	0		50
Pentachlorophenol	107		108		17-109	1		50
Phenol	**112**	Q	**104**	Q	26-90	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636111-2 WG636111-3								
2-Methylphenol	115		109		30-130.	5		50
3-Methylphenol/4-Methylphenol	118		112		30-130	5		50
2,4,5-Trichlorophenol	125		126		30-130	1		50
Benzoic Acid	57		55			4		50
Benzyl Alcohol	112		104		40-140	7		50
Carbazole	120		123		54-128	2		50
Benzaldehyde	82		75			9		50
Caprolactam	126		124			2		50
Atrazine	124		128			3		50
2,3,4,6-Tetrachlorophenol	115		113			2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	111		106		25-120
Phenol-d6	113		107		10-120
Nitrobenzene-d5	103		99		23-120
2-Fluorobiphenyl	116		113		30-120
2,4,6-Tribromophenol	129		135		0-136
4-Terphenyl-d14	107		111		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/14/13 10:39
Analytical Date:	09/16/13 16:36		
Analyst:	AR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	154000		ug/kg	36600	3590	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	48		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 20:24		
Analyst:	JV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	71		70-130
4-Bromofluorobenzene	76		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 21:04		
Analyst:	JV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1100	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	78		70-130
4-Bromofluorobenzene	82		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	D	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/14/13 10:39
Analytical Date:	09/18/13 17:17			
Analyst:	AR			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1660000		ug/kg	181000	17800	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	100		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 21:45		
Analyst:	JV		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1100	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	85		70-130
4-Bromofluorobenzene	85		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	D	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/14/13 10:39
Analytical Date:	09/19/13 06:42			
Analyst:	AR			
Percent Solids:	91%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	719000		ug/kg	69600	6820	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	115		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/16/13 10:46
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/14/13 10:39

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02,04,06 Batch: WG636124-1					
TPH	ND		ug/kg	33100	3240

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 15:41
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 02,04,06 Batch: WG636620-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	75		70-130
4-Bromofluorobenzene	78		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636124-2								
TPH	87		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	89				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636620-1 WG636620-2								
Gasoline Range Organics	102		102		80-120	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	95		95		70-130
4-Bromofluorobenzene	103		105		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636620-5 QC Sample: L1318031-01 Client ID: MS Sample												
Gasoline Range Organics	ND	24200	22000	90		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	84				70-130
4-Bromofluorobenzene	91				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636124-3 QC Sample: L1318096-06 Client ID: DUP Sample						
TPH	18000J	15600J	ug/kg	NC		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	91		95		40-140

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/14/13 13:38
Analytical Date:	09/18/13 12:57	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/15/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	7.22	1	A
Aroclor 1221	ND		ug/kg	36.6	11.0	1	A
Aroclor 1232	ND		ug/kg	36.6	7.77	1	A
Aroclor 1242	ND		ug/kg	36.6	6.94	1	A
Aroclor 1248	ND		ug/kg	36.6	4.43	1	A
Aroclor 1254	ND		ug/kg	36.6	5.77	1	A
Aroclor 1260	ND		ug/kg	36.6	6.35	1	A
Aroclor 1262	ND		ug/kg	36.6	2.70	1	A
Aroclor 1268	ND		ug/kg	36.6	5.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/14/13 13:38
Analytical Date:	09/18/13 13:10	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/15/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.3	7.18	1	A
Aroclor 1221	ND		ug/kg	36.3	11.0	1	A
Aroclor 1232	ND		ug/kg	36.3	7.72	1	A
Aroclor 1242	ND		ug/kg	36.3	6.89	1	A
Aroclor 1248	ND		ug/kg	36.3	4.40	1	A
Aroclor 1254	23.1	J	ug/kg	36.3	5.73	1	B
Aroclor 1260	17.2	J	ug/kg	36.3	6.30	1	B
Aroclor 1262	ND		ug/kg	36.3	2.69	1	A
Aroclor 1268	ND		ug/kg	36.3	5.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/14/13 13:38
Analytical Date:	09/18/13 13:24	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/15/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	6.99	1	A
Aroclor 1221	ND		ug/kg	35.4	10.7	1	A
Aroclor 1232	ND		ug/kg	35.4	7.52	1	A
Aroclor 1242	ND		ug/kg	35.4	6.72	1	A
Aroclor 1248	ND		ug/kg	35.4	4.28	1	A
Aroclor 1254	19.3	J	ug/kg	35.4	5.58	1	B
Aroclor 1260	9.36	J	ug/kg	35.4	6.14	1	B
Aroclor 1262	ND		ug/kg	35.4	2.62	1	A
Aroclor 1268	ND		ug/kg	35.4	5.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	09/14/13 14:18
Analytical Date:	09/16/13 01:38	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/14/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/14/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.100	0.066	1	A
Aroclor 1221	ND		ug/l	0.100	0.064	1	A
Aroclor 1232	ND		ug/l	0.100	0.037	1	A
Aroclor 1242	ND		ug/l	0.100	0.072	1	A
Aroclor 1248	ND		ug/l	0.100	0.061	1	A
Aroclor 1254	ND		ug/l	0.100	0.041	1	A
Aroclor 1260	ND		ug/l	0.100	0.038	1	A
Aroclor 1262	ND		ug/l	0.100	0.035	1	A
Aroclor 1268	ND		ug/l	0.100	0.045	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	**154**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	**161**	Q	30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318001

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/17/13 11:35
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/14/13 13:38
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/15/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,04,06 Batch: WG636143-1						
Aroclor 1016	ND		ug/kg	32.2	6.35	A
Aroclor 1221	ND		ug/kg	32.2	9.70	A
Aroclor 1232	ND		ug/kg	32.2	6.83	A
Aroclor 1242	ND		ug/kg	32.2	6.11	A
Aroclor 1248	ND		ug/kg	32.2	3.89	A
Aroclor 1254	ND		ug/kg	32.2	5.07	A
Aroclor 1260	ND		ug/kg	32.2	5.58	A
Aroclor 1262	ND		ug/kg	32.2	2.38	A
Aroclor 1268	ND		ug/kg	32.2	4.67	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318001

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/16/13 01:51
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 09/14/13 14:18
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/14/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/14/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07 Batch: WG636154-1						
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	149		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	**154**	Q	30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636143-2 WG636143-3									
Aroclor 1016	71		71		40-140	0		50	A
Aroclor 1260	57		61		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		99		30-150	A
Decachlorobiphenyl	81		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		92		30-150	B
Decachlorobiphenyl	97		105		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07 Batch: WG636154-2 WG636154-3									
Aroclor 1016	98		93		40-140	6		50	A
Aroclor 1260	135		128		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		87		30-150	A
Decachlorobiphenyl	148		150		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		83		30-150	B
Decachlorobiphenyl	**153**	Q	**153**	Q	30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 17:54	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	90%		

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	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	184	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	125		30-150	A
DCAA	95		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	D	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 03:31		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/15/13
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.48	1.66	5	A
Lindane	ND		ug/kg	3.53	1.58	5	A
Alpha-BHC	ND		ug/kg	3.53	1.00	5	A
Beta-BHC	ND		ug/kg	8.48	3.21	5	A
Heptachlor	ND		ug/kg	4.24	1.90	5	A
Aldrin	ND		ug/kg	8.48	2.98	5	A
Heptachlor epoxide	ND		ug/kg	15.9	4.77	5	A
Endrin	ND		ug/kg	3.53	1.45	5	A
Endrin ketone	ND		ug/kg	8.48	2.18	5	A
Dieldrin	ND		ug/kg	5.30	2.65	5	A
4,4'-DDE	ND		ug/kg	8.48	1.96	5	A
4,4'-DDD	ND		ug/kg	8.48	3.02	5	A
4,4'-DDT	ND		ug/kg	15.9	6.82	5	A
Endosulfan I	ND		ug/kg	8.48	2.00	5	A
Endosulfan II	ND		ug/kg	8.48	2.83	5	A
Endosulfan sulfate	ND		ug/kg	3.53	1.61	5	A
Methoxychlor	ND		ug/kg	15.9	4.94	5	A
Toxaphene	ND		ug/kg	159	44.5	5	A
cis-Chlordane	ND		ug/kg	10.6	2.95	5	A
trans-Chlordane	ND		ug/kg	10.6	2.80	5	A
Chlordane	ND		ug/kg	68.9	28.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	112		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 18:14	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	22.2	1	A
2,4,5-T	ND		ug/kg	182	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	85		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	D	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 03:44		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/15/13
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.64	1.69	5	A
Lindane	ND		ug/kg	3.60	1.61	5	A
Alpha-BHC	ND		ug/kg	3.60	1.02	5	A
Beta-BHC	ND		ug/kg	8.64	3.28	5	A
Heptachlor	ND		ug/kg	4.32	1.94	5	A
Aldrin	ND		ug/kg	8.64	3.04	5	A
Heptachlor epoxide	ND		ug/kg	16.2	4.86	5	A
Endrin	ND		ug/kg	3.60	1.48	5	A
Endrin ketone	ND		ug/kg	8.64	2.22	5	A
Dieldrin	ND		ug/kg	5.40	2.70	5	A
4,4'-DDE	ND		ug/kg	8.64	2.00	5	A
4,4'-DDD	ND		ug/kg	8.64	3.08	5	A
4,4'-DDT	ND		ug/kg	16.2	6.95	5	A
Endosulfan I	ND		ug/kg	8.64	2.04	5	A
Endosulfan II	ND		ug/kg	8.64	2.89	5	A
Endosulfan sulfate	ND		ug/kg	3.60	1.64	5	A
Methoxychlor	ND		ug/kg	16.2	5.04	5	A
Toxaphene	ND		ug/kg	162	45.4	5	A
cis-Chlordane	ND		ug/kg	10.8	3.01	5	A
trans-Chlordane	ND		ug/kg	10.8	2.85	5	A
Chlordane	ND		ug/kg	70.2	28.6	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 18:34	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	91%		

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	109		30-150	A
DCAA	83		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	D	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 03:56		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/15/13
Percent Solids:	91%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.53	1.67	5	A
Lindane	ND		ug/kg	3.55	1.59	5	A
Alpha-BHC	ND		ug/kg	3.55	1.01	5	A
Beta-BHC	ND		ug/kg	8.53	3.23	5	A
Heptachlor	ND		ug/kg	4.26	1.91	5	A
Aldrin	ND		ug/kg	8.53	3.00	5	A
Heptachlor epoxide	ND		ug/kg	16.0	4.80	5	A
Endrin	ND		ug/kg	3.55	1.46	5	A
Endrin ketone	ND		ug/kg	8.53	2.20	5	A
Dieldrin	ND		ug/kg	5.33	2.66	5	A
4,4'-DDE	ND		ug/kg	8.53	1.97	5	A
4,4'-DDD	ND		ug/kg	8.53	3.04	5	A
4,4'-DDT	ND		ug/kg	16.0	6.86	5	A
Endosulfan I	ND		ug/kg	8.53	2.01	5	A
Endosulfan II	ND		ug/kg	8.53	2.85	5	A
Endosulfan sulfate	ND		ug/kg	3.55	1.62	5	A
Methoxychlor	ND		ug/kg	16.0	4.98	5	A
Toxaphene	ND		ug/kg	160	44.8	5	A
cis-Chlordane	ND		ug/kg	10.7	2.97	5	A
trans-Chlordane	ND		ug/kg	10.7	2.81	5	A
Chlordane	ND		ug/kg	69.3	28.2	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	09/17/13 02:15
Analytical Date:	09/18/13 10:52	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13

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	76		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	141		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-07	Date Collected:	09/12/13 11:45
Client ID:	FB01_091213	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 11:58
Analytical Date:	09/16/13 21:53	Methylation Date:	09/16/13 00:31
Analyst:	SH		

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	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	65		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/16/13 20:53
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/13/13 11:58

Methylation Date: 09/16/13 00:31

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 07 Batch: WG635884-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.312	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	115		30-150	A
DCAA	70		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/16/13 15:35
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/13/13 15:51

Methylation Date: 09/16/13 00:35

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02,04,06 Batch: WG635979-1						
2,4-D	ND		ug/kg	166	20.2	A
2,4,5-T	ND		ug/kg	166	10.4	A
2,4,5-TP (Silvex)	ND		ug/kg	166	9.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	118		30-150	A
DCAA	94		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/13 02:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/13/13 17:42
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,04,06 Batch: WG636012-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.638	0.285	A
Alpha-BHC	ND		ug/kg	0.638	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.766	0.343	A
Aldrin	ND		ug/kg	1.53	0.539	A
Heptachlor epoxide	ND		ug/kg	2.87	0.862	A
Endrin	ND		ug/kg	0.638	0.262	A
Endrin ketone	ND		ug/kg	1.53	0.394	A
Dieldrin	ND		ug/kg	0.957	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.546	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.638	0.292	A
Methoxychlor	ND		ug/kg	2.87	0.893	A
Toxaphene	ND		ug/kg	28.7	8.04	A
cis-Chlordane	ND		ug/kg	1.91	0.534	A
trans-Chlordane	ND		ug/kg	1.91	0.505	A
Chlordane	ND		ug/kg	12.4	5.07	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	120		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	132		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 07 Batch: WG635884-2 WG635884-3									
2,4-D	107		113		30-150	5		25	A
2,4,5-T	105		110		30-150	5		25	A
2,4,5-TP (Silvex)	111		117		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	106		106		30-150	A
DCAA	63		77		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02,04,06 Batch: WG635979-2 WG635979-3									
2,4-D	**155**	Q	130		30-150	18		30	A
2,4,5-T	116		106		30-150	9		30	A
2,4,5-TP (Silvex)	118		109		30-150	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	117		107		30-150	A
DCAA	122		109		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636012-2 WG636012-3									
Delta-BHC	77		70		30-150	10		30	A
Lindane	79		71		30-150	11		30	A
Alpha-BHC	76		68		30-150	11		30	A
Beta-BHC	82		75		30-150	9		30	A
Heptachlor	81		73		30-150	10		30	A
Aldrin	81		74		30-150	9		30	A
Heptachlor epoxide	72		66		30-150	9		30	A
Endrin	87		80		30-150	8		30	A
Endrin ketone	67		61		30-150	9		30	A
Dieldrin	78		71		30-150	9		30	A
4,4'-DDE	75		68		30-150	10		30	A
4,4'-DDD	78		71		30-150	9		30	A
4,4'-DDT	81		74		30-150	9		30	A
Endosulfan I	77		71		30-150	8		30	A
Endosulfan II	67		62		30-150	8		30	A
Endosulfan sulfate	64		59		30-150	8		30	A
Methoxychlor	76		70		30-150	8		30	A
cis-Chlordane	75		72		30-150	4		30	A
trans-Chlordane	76		70		30-150	8		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636012-2 WG636012-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		71		30-150	A
Decachlorobiphenyl	107		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		63		30-150	B
Decachlorobiphenyl	119		106		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG636605-2 WG636605-3									
Delta-BHC	107		78		30-150	**31**	Q	20	A
Lindane	103		78		30-150	**27**	Q	20	A
Alpha-BHC	98		72		30-150	**30**	Q	20	A
Beta-BHC	103		81		30-150	**24**	Q	20	A
Heptachlor	78		63		30-150	**21**	Q	20	A
Aldrin	69		57		30-150	18		20	A
Heptachlor epoxide	95		71		30-150	**29**	Q	20	A
Endrin	117		86		30-150	**31**	Q	20	A
Endrin ketone	107		74		30-150	**36**	Q	20	A
Dieldrin	103		76		30-150	**30**	Q	20	A
4,4'-DDE	92		69		30-150	**28**	Q	20	A
4,4'-DDD	106		78		30-150	**31**	Q	20	A
4,4'-DDT	108		80		30-150	**30**	Q	20	A
Endosulfan I	99		74		30-150	**29**	Q	20	A
Endosulfan II	95		67		30-150	**34**	Q	20	A
Endosulfan sulfate	101		70		30-150	**37**	Q	20	A
Methoxychlor	111		79		30-150	**33**	Q	20	A
cis-Chlordane	94		71		30-150	**27**	Q	20	A
trans-Chlordane	88		70		30-150	**24**	Q	20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG636605-2 WG636605-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		48		30-150	A
Decachlorobiphenyl	123		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		39		30-150	B
Decachlorobiphenyl	143		137		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/14/13 12:30
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Barium, TCLP	0.34	J	mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Lead, TCLP	0.15	J	mg/l	0.50	0.02	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/17/13 17:23	09/17/13 21:25	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/16/13 15:30	09/17/13 12:54	EPA 3015	1,6010C	BM

Project Name: GREENPOINT LANDING
Lab Number: L1318001
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-02
Client ID: G2_COMP-02_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/12/13 09:00
Date Received: 09/12/13
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	5500		mg/kg	8.7	1.7	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Antimony, Total	0.99	J	mg/kg	4.4	0.70	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Arsenic, Total	9.2		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Barium, Total	78		mg/kg	0.87	0.26	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Beryllium, Total	0.32	J	mg/kg	0.44	0.09	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Cadmium, Total	0.75	J	mg/kg	0.87	0.06	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Calcium, Total	43000		mg/kg	8.7	2.6	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Chromium, Total	12		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Cobalt, Total	5.2		mg/kg	1.7	0.44	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Copper, Total	54		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Iron, Total	15000		mg/kg	4.4	1.7	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Lead, Total	140		mg/kg	4.4	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Magnesium, Total	23000		mg/kg	8.7	0.87	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Manganese, Total	250		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Mercury, Total	0.23		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:46	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.2	0.35	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Potassium, Total	620		mg/kg	220	35.	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Sodium, Total	410		mg/kg	170	26.	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Vanadium, Total	14		mg/kg	0.87	0.09	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG
Zinc, Total	150		mg/kg	4.4	0.61	2	09/13/13 12:20	09/18/13 09:46	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318001
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-04
Client ID: G2_COMP-03_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/12/13 11:00
Date Received: 09/12/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/14/13 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Barium, TCLP	0.31	J	mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Lead, TCLP	0.08	J	mg/l	0.50	0.02	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/17/13 17:23	09/17/13 21:35	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/16/13 15:30	09/17/13 12:58	EPA 3015	1,6010C	BM

Project Name: GREENPOINT LANDING
Lab Number: L1318001
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-04
Client ID: G2_COMP-03_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/12/13 11:00
Date Received: 09/12/13
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	6400		mg/kg	8.7	1.7	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Antimony, Total	2.1	J	mg/kg	4.3	0.70	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Arsenic, Total	10		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Barium, Total	140		mg/kg	0.87	0.26	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Beryllium, Total	0.99		mg/kg	0.43	0.09	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Cadmium, Total	0.99		mg/kg	0.87	0.06	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Calcium, Total	63000		mg/kg	8.7	2.6	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Chromium, Total	20		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Cobalt, Total	16		mg/kg	1.7	0.43	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Copper, Total	230		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Iron, Total	20000		mg/kg	4.3	1.7	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Lead, Total	340		mg/kg	4.3	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Magnesium, Total	29000		mg/kg	8.7	0.87	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Manganese, Total	360		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Mercury, Total	5.8		mg/kg	0.27	0.06	3	09/18/13 08:30	09/18/13 13:06	EPA 7471B	1,7471B	MC
Nickel, Total	30		mg/kg	2.2	0.35	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Potassium, Total	730		mg/kg	220	35.	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.87	0.17	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Sodium, Total	320		mg/kg	170	26.	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Vanadium, Total	17		mg/kg	0.87	0.09	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG
Zinc, Total	1200		mg/kg	4.3	0.61	2	09/13/13 12:20	09/18/13 09:50	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/14/13 12:30
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Barium, TCLP	0.33	J	mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Lead, TCLP	0.17	J	mg/l	0.50	0.02	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/17/13 17:23	09/17/13 21:37	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/16/13 15:30	09/17/13 13:07	EPA 3015	1,6010C	BM

Project Name: GREENPOINT LANDING
Lab Number: L1318001
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-06
Client ID: G2_COMP-DUP
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/12/13 00:00
Date Received: 09/12/13
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	7000		mg/kg	8.5	1.7	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Antimony, Total	2.5	J	mg/kg	4.3	0.68	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Arsenic, Total	9.8		mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Barium, Total	190		mg/kg	0.85	0.26	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Beryllium, Total	1.2		mg/kg	0.43	0.09	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Cadmium, Total	1.0		mg/kg	0.85	0.06	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Calcium, Total	50000		mg/kg	8.5	2.6	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Chromium, Total	28		mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Cobalt, Total	18		mg/kg	1.7	0.43	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Copper, Total	370		mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Iron, Total	23000		mg/kg	4.3	1.7	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Lead, Total	420		mg/kg	4.3	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Magnesium, Total	20000		mg/kg	8.5	0.85	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Manganese, Total	370		mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Mercury, Total	0.21		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:50	EPA 7471B	1,7471B	MC
Nickel, Total	33		mg/kg	2.1	0.34	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Potassium, Total	850		mg/kg	210	34.	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Silver, Total	0.24	J	mg/kg	0.85	0.17	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Sodium, Total	380		mg/kg	170	26.	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Vanadium, Total	19		mg/kg	0.85	0.09	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG
Zinc, Total	1400		mg/kg	4.3	0.60	2	09/13/13 12:20	09/18/13 09:54	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-07
Client ID: FB01_091213
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/12/13 11:45
Date Received: 09/12/13
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	0.00291	J	mg/l	0.0100	0.00200	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Barium, Total	0.00024	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Calcium, Total	0.102		mg/l	0.100	0.0320	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Chromium, Total	0.00090	J	mg/l	0.00100	0.00020	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Copper, Total	0.00018	J	mg/l	0.00100	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Manganese, Total	0.00034	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/18/13 09:42	09/18/13 15:48	EPA 7470A	1,7470A	JH
Nickel, Total	0.00039	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Sodium, Total	0.146		mg/l	0.100	0.0150	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/13/13 15:22	09/18/13 18:55	EPA 3005A	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

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): 02,04,06 Batch: WG635896-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/13/13 12:20	09/18/13 08:53	1,6010C	MG

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): 07 Batch: WG635955-1										
Aluminum, Total	0.00914	J	mg/l	0.0100	0.00200	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Chromium, Total	0.00062	J	mg/l	0.00100	0.00020	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Copper, Total	0.00014	J	mg/l	0.00100	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Manganese, Total	0.00015	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Nickel, Total	0.00024	J	mg/l	0.00050	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Sodium, Total	0.0206	J	mg/l	0.100	0.0150	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Thallium, Total	0.00003	J	mg/l	0.00050	0.00003	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/13/13 15:22	09/18/13 18:36	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02,04,06 Batch: WG636484-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Lead, TCLP	0.03	J	mg/l	0.50	0.02	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/16/13 15:30	09/17/13 10:00	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/14/13 12:30

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

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): 02,04,06 Batch: WG636745-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:17	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02,04,06 Batch: WG636902-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/17/13 17:23	09/17/13 21:21	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/14/13 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 07 Batch: WG637016-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/18/13 09:42	09/18/13 15:33	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 Batch: WG635896-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	117		-		4-196	-		
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	89		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	101		-		51-150	-		
Lead, Total	94		-		80-120	-		
Magnesium, Total	92		-		74-126	-		
Manganese, Total	95		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	104		-		66-134	-		
Sodium, Total	92		-		74-127	-		
Thallium, Total	101		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 Batch: WG635896-2 SRM Lot Number: 0518-10-02					
Zinc, Total	91	-	82-119	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 Batch: WG635955-2					
Aluminum, Total	100	-	80-120	-	
Antimony, Total	88	-	80-120	-	
Arsenic, Total	104	-	80-120	-	
Barium, Total	93	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	103	-	80-120	-	
Calcium, Total	98	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Cobalt, Total	99	-	80-120	-	
Copper, Total	102	-	80-120	-	
Iron, Total	98	-	80-120	-	
Lead, Total	100	-	80-120	-	
Magnesium, Total	99	-	80-120	-	
Manganese, Total	96	-	80-120	-	
Nickel, Total	101	-	80-120	-	
Potassium, Total	101	-	80-120	-	
Selenium, Total	104	-	80-120	-	
Silver, Total	92	-	80-120	-	
Sodium, Total	97	-	80-120	-	
Thallium, Total	93	-	80-120	-	
Vanadium, Total	97	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 Batch: WG635955-2					
Zinc, Total	106	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636484-2					
Arsenic, TCLP	92	-	75-125	-	20
Barium, TCLP	95	-	75-125	-	20
Cadmium, TCLP	96	-	75-125	-	20
Chromium, TCLP	85	-	75-125	-	20
Lead, TCLP	96	-	75-125	-	20
Selenium, TCLP	92	-	75-125	-	20
Silver, TCLP	94	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636745-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636902-2					
Mercury, TCLP	84	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 07 Batch: WG637016-2					
Mercury, Total	97	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

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): 02,04,06 QC Batch ID: WG635896-4 QC Sample: L1317987-01 Client ID: MS Sample												
Aluminum, Total	1400	193	1400	**0**	Q	-	-		75-125	-		35
Antimony, Total	ND	48.2	45	93		-	-		75-125	-		35
Arsenic, Total	5.1	11.6	12	**60**	Q	-	-		75-125	-		35
Barium, Total	1.7	193	190	98		-	-		75-125	-		35
Beryllium, Total	0.38J	4.82	4.9	102		-	-		75-125	-		35
Cadmium, Total	0.25J	4.92	4.8	98		-	-		75-125	-		35
Calcium, Total	120	964	970	88		-	-		75-125	-		35
Chromium, Total	11.	19.3	21	**52**	Q	-	-		75-125	-		35
Cobalt, Total	1.7J	48.2	47	97		-	-		75-125	-		35
Copper, Total	11.	24.1	31	83		-	-		75-125	-		35
Iron, Total	9900	96.4	5600	**0**	Q	-	-		75-125	-		35
Lead, Total	4.1J	49.2	51	104		-	-		75-125	-		35
Magnesium, Total	140	964	1000	89		-	-		75-125	-		35
Manganese, Total	12.	48.2	58	95		-	-		75-125	-		35
Nickel, Total	1.9J	48.2	46	95		-	-		75-125	-		35
Potassium, Total	62.J	964	980	102		-	-		75-125	-		35
Selenium, Total	0.41J	11.6	11	95		-	-		75-125	-		35
Silver, Total	ND	28.9	28	97		-	-		75-125	-		35
Sodium, Total	530	964	1500	100		-	-		75-125	-		35
Thallium, Total	ND	11.6	10	86		-	-		75-125	-		35
Vanadium, Total	16.	48.2	53	77		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

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): 02,04,06 QC Batch ID: WG635896-4 QC Sample: L1317987-01 Client ID: MS Sample									
Zinc, Total	22.	48.2	60	79	-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

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): 07 QC Batch ID: WG635955-4 QC Sample: L1317998-04 Client ID: MS Sample										
Aluminum, Total	2.65	2	3.94	**64**	Q	-	-	80-120	-	20
Antimony, Total	0.00049J	0.5	0.2829	**56**	Q	-	-	80-120	-	20
Arsenic, Total	0.00259	0.12	0.1091	91		-	-	80-120	-	20
Barium, Total	0.1346	2	0.2019	**4**	Q	-	-	80-120	-	20
Beryllium, Total	0.00016J	0.05	0.05493	110		-	-	80-120	-	20
Cadmium, Total	0.00005J	0.051	0.05462	107		-	-	80-120	-	20
Calcium, Total	214.	10	229	**150**	Q	-	-	80-120	-	20
Chromium, Total	0.02273	0.2	0.2238	100		-	-	80-120	-	20
Cobalt, Total	0.00242	0.5	0.5118	102		-	-	80-120	-	20
Copper, Total	0.00622	0.25	0.2677	107		-	-	80-120	-	20
Iron, Total	5.30	1	5.10	**0**	Q	-	-	80-120	-	20
Lead, Total	0.00300	0.51	0.1344	**26**	Q	-	-	80-120	-	20
Magnesium, Total	7.66	10	17.9	102		-	-	80-120	-	20
Manganese, Total	0.1218	0.5	0.6172	98		-	-	80-120	-	20
Nickel, Total	0.00755	0.5	0.5270	104		-	-	80-120	-	20
Potassium, Total	30.3	10	43.3	114		-	-	80-120	-	20
Selenium, Total	0.00207J	0.12	0.113	94		-	-	80-120	-	20
Silver, Total	ND	0.05	0.01247	**25**	Q	-	-	80-120	-	20
Sodium, Total	283.	10	302	**190**	Q	-	-	80-120	-	20
Thallium, Total	0.00004J	0.12	0.1180	98		-	-	80-120	-	20
Vanadium, Total	0.00712	0.5	0.5128	102		-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

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): 07 QC Batch ID: WG635955-4 QC Sample: L1317998-04 Client ID: MS Sample									
Zinc, Total	0.02330	0.5	0.5506	110	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636484-4 QC Sample: L1318135-01 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.1	92	-	-	75-125	-	20
Barium, TCLP	0.33J	20	18	90	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.46	90	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.5	75	-	-	75-125	-	20
Lead, TCLP	0.07J	5.1	4.7	92	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.0	83	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.44	88	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636745-4 QC Sample: L1317416-03 Client ID: MS Sample									
Mercury, Total	ND	0.2	0.15	75	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636902-4 QC Sample: L1318001-02 Client ID: G2_COMP-02_0-5									
Mercury, TCLP	ND	0.025	0.0247	99	-	-	70-130	-	20
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG637016-4 QC Sample: L1317998-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00365	73	-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635896-3 QC Sample: L1317987-01 Client ID: DUP Sample						
Aluminum, Total	1400	900	mg/kg	**43**	Q	35
Antimony, Total	ND	ND	mg/kg	NC		35
Arsenic, Total	5.1	1.4	mg/kg	**114**	Q	35
Barium, Total	1.7	1.5	mg/kg	13		35
Beryllium, Total	0.38J	0.32J	mg/kg	NC		35
Cadmium, Total	0.25J	0.11J	mg/kg	NC		35
Calcium, Total	120	81	mg/kg	**39**	Q	35
Chromium, Total	11.	4.2	mg/kg	**89**	Q	35
Cobalt, Total	1.7J	0.96J	mg/kg	NC		35
Copper, Total	11.	7.1	mg/kg	**43**	Q	35
Iron, Total	9900	4100	mg/kg	**83**	Q	35
Lead, Total	4.1J	3.4J	mg/kg	NC		35
Magnesium, Total	140	150	mg/kg	7		35
Manganese, Total	12.	15	mg/kg	22		35
Nickel, Total	1.9J	1.3J	mg/kg	NC		35
Potassium, Total	62.J	68J	mg/kg	NC		35
Selenium, Total	0.41J	ND	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Sodium, Total	530	550	mg/kg	4		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635896-3 QC Sample: L1317987-01 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		35
Vanadium, Total	16.	5.5	mg/kg	**98**	Q	35
Zinc, Total	22.	15	mg/kg	**38**	Q	35
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635955-3 QC Sample: L1317998-04 Client ID: DUP Sample						
Aluminum, Total	2.65	2.32	mg/l	13		20
Sodium, Total	283.	290.	mg/l	2		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635955-3 QC Sample: L1317998-04 Client ID: DUP Sample					
Antimony, Total	0.00049J	0.00043J	mg/l	NC	20
Arsenic, Total	0.00259	0.00271	mg/l	5	20
Barium, Total	0.1346	0.1337	mg/l	1	20
Beryllium, Total	0.00016J	0.00014J	mg/l	NC	20
Cadmium, Total	0.00005J	0.00006J	mg/l	NC	20
Chromium, Total	0.02273	0.02319	mg/l	2	20
Cobalt, Total	0.00242	0.00253	mg/l	4	20
Copper, Total	0.00622	0.00649	mg/l	4	20
Iron, Total	5.30	5.61	mg/l	6	20
Lead, Total	0.00300	0.00303	mg/l	1	20
Manganese, Total	0.1218	0.1294	mg/l	6	20
Nickel, Total	0.00755	0.00776	mg/l	3	20
Potassium, Total	30.3	31.9	mg/l	5	20
Selenium, Total	0.00207J	0.00206J	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	0.00004J	0.00012J	mg/l	NC	20
Vanadium, Total	0.00712	0.00691	mg/l	3	20
Zinc, Total	0.02330	0.02290	mg/l	2	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636484-3 QC Sample: L1318135-01 Client ID: DUP Sample					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.33J	0.37J	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.07J	0.08J	mg/l	NC	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636745-3 QC Sample: L1317416-03 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636902-3 QC Sample: L1318001-02 Client ID: G2_COMP-02_0-5					
Mercury, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 07 QC Batch ID: WG637016-3 QC Sample: L1317998-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-02	Date Collected:	09/12/13 09:00
Client ID:	G2_COMP-02_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-04	Date Collected:	09/12/13 11:00
Client ID:	G2_COMP-03_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318001-06	Date Collected:	09/12/13 00:00
Client ID:	G2_COMP-DUP	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-01
Client ID: G2_SB-02A_1.0-1.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 09:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-02
Client ID: G2_COMP-02_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 09:00
Date Received: 09/12/13
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	11		mg/kg	0.89	0.89	1	-	09/18/13 16:45	107,-	JO
Solids, Total	89.5		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/15/13 12:30	09/16/13 13:25	1,9010C/9012A	JO
pH (H)	7.8		SU	-	NA	1	-	09/13/13 11:50	1,9045D	EL
Chromium, Hexavalent	0.74	J	mg/kg	0.89	0.20	1	09/13/13 19:30	09/15/13 20:03	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 21:00	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-03
Client ID: G2_SB-03A_4.5-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 11:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-04
Client ID: G2_COMP-03_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 11:00
Date Received: 09/12/13
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	19		mg/kg	0.89	0.89	1	-	09/18/13 16:45	107,-	JO
Solids, Total	89.6		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD
Cyanide, Total	ND		mg/kg	1.1	0.25	1	09/15/13 12:30	09/16/13 13:26	1,9010C/9012A	JO
pH (H)	8.6		SU	-	NA	1	-	09/13/13 11:50	1,9045D	EL
Chromium, Hexavalent	0.72	J	mg/kg	0.89	0.20	1	09/13/13 19:30	09/15/13 20:07	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 21:00	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-05
Client ID: G2_DUP
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 00:00
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-06
Client ID: G2_COMP-DUP
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 00:00
Date Received: 09/12/13
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	28		mg/kg	0.88	0.88	1	-	09/18/13 16:45	107,-	JO
Solids, Total	90.6		%	0.100	NA	1	-	09/16/13 12:00	30,2540G	SD
Cyanide, Total	ND		mg/kg	1.1	0.25	1	09/15/13 12:30	09/16/13 13:27	1,9010C/9012A	JO
pH (H)	8.5		SU	-	NA	1	-	09/13/13 11:50	1,9045D	EL
Chromium, Hexavalent	0.35	J	mg/kg	0.88	0.20	1	09/13/13 19:30	09/15/13 20:08	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 21:00	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318001-07
Client ID: FB01_091213
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/12/13 11:45
Date Received: 09/12/13
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	-	09/19/13 10:30	107,-	JO
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/15/13 15:00	09/16/13 13:45	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/13/13 11:45	09/13/13 12:18	1,7196A	JO

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

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): 07 Batch: WG635886-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/13/13 11:45	09/13/13 12:13	1,7196A	JO
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636073-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/13/13 19:30	09/15/13 19:53	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636222-1										
Cyanide, Total	ND		mg/kg	0.86	0.20	1	09/15/13 12:30	09/16/13 13:22	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 07 Batch: WG636223-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/15/13 15:00	09/16/13 13:40	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636513-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:59	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636516-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/13 18:00	09/16/13 20:40	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG635886-2								
Chromium, Hexavalent	102		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG635913-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636073-2								
Chromium, Hexavalent	98		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636222-4 WG636222-5								
Cyanide, Total	99		100		80-120	0		35
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG636223-4 WG636223-5								
Cyanide, Total	96		100		80-120	4		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636513-2								
Cyanide, Reactive	39		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636516-2								
Sulfide, Reactive	107		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318001
Report Date: 09/23/13

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): 07 QC Batch ID: WG635886-4 QC Sample: L1318001-07 Client ID: FB01_091213												
Chromium, Hexavalent	ND	0.1	0.095	95		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636073-5 QC Sample: L1318001-02 Client ID: G2_COMP-02_0-5												
Chromium, Hexavalent	0.74J	1440	1200	84		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636222-3 WG636222-2 QC Sample: L1318024-02 Client ID: MS Sample												
Cyanide, Total	ND	14	14	100		13	96		65-135	7		35
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG636223-3 WG636223-2 QC Sample: L1318119-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.195	98		0.193	96		80-120	1		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG635886-3 QC Sample: L1318001-07 Client ID: FB01_091213						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG635913-2 QC Sample: L1317980-04 Client ID: DUP Sample						
pH	8.0	8.0	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636073-4 QC Sample: L1318001-02 Client ID: G2_COMP-02_0-5						
Chromium, Hexavalent	0.74J	0.55J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG636397-1 QC Sample: L1317946-01 Client ID: DUP Sample						
Solids, Total	89.2	89.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636513-3 QC Sample: L1318096-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636516-3 QC Sample: L1318096-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318001
Report Date: 09/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/13/2013 11:26

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318001-01A	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-01B	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-01C	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-01D	Vial MeOH preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-01E	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-01F	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-01G	Plastic 2oz unpreserved for TS	A	N/A	6	Y	Absent	TS(7)
L1318001-02A	Vial Large Septa unpreserved	A	N/A	6	Y	Absent	TPH-GRO(14)
L1318001-02B	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(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: L1318001
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318001-02C	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318001-02X	Plastic 250ml HNO3 preserved spl	A	<2	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318001-03A	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-03B	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-03C	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-03D	Vial MeOH preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-03E	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-03F	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-03G	Plastic 2oz unpreserved for TS	A	N/A	6	Y	Absent	TS(7)
L1318001-04A	Vial Large Septa unpreserved	A	N/A	6	Y	Absent	TPH-GRO(14)
L1318001-04B	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(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: L1318001
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318001-04C	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318001-04X	Plastic 250ml HNO3 preserved spl	A	<2	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318001-05A	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-05B	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-05C	5 gram Encore Sampler	A	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318001-05D	Vial MeOH preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-05E	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-05F	Vial Water preserved split	A	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318001-05G	Plastic 2oz unpreserved for TS	A	N/A	6	Y	Absent	TS(7)
L1318001-06A	Vial Large Septa unpreserved	A	N/A	6	Y	Absent	TPH-GRO(14)
L1318001-06B	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(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: L1318001
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318001-06C	Amber 500ml unpreserved	A	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318001-06X	Plastic 250ml HNO3 preserved spl	A	<2	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318001-07A	Plastic 500ml HNO3 preserved	A	<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)
L1318001-07B	Amber 1000ml unpreserved	A	7	6	Y	Absent	NYTCL-8082-1200ML(7)
L1318001-07C	Amber 1000ml unpreserved	A	7	6	Y	Absent	HERB-APA(7)
L1318001-07D	Amber 500ml unpreserved	A	N/A	6	Y	Absent	NYTCL-8081(7)
L1318001-07E	Amber 1000ml unpreserved	A	7	6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1318001-07F	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-07G	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-07H	Plastic 1000ml unpreserved	A	7	6	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1318001-07I	Plastic 250ml NaOH preserved	A	>12	6	Y	Absent	TCN-9010(14)
L1318001-07J	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-08A	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-08B	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-08C	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)
L1318001-08D	Vial HCl preserved	A	N/A	6	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING **Lab Number:** L1318001

Project Number: 170229002 **Report Date:** 09/23/13

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

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.

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.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318001
Project Number:	170229002	**Report Date:**	09/23/13

Data Qualifiers

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:** L1318001
Project Number: 170229002 **Report Date:** 09/23/13

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.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

revised 9/20/13 CW

Serial_No:09231310:48

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318001

Client Information

Client: Langan, D.P.C.

Address: 300 W 31st St. 8th floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

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 #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/19/13 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	6NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

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	VOCs	Total Metals, Total CN, Hex Chrom, TCLP PCBs & Metals, RCRA Chars	TS	SVOCs, PCBs, Pest, Herb, 8082	TPH GRO	NaOH	PCB	Herb	SVOC	Pest 8082	Metals	Sample Specific Comments	TOTAL # BOTTLES
18001-01	G2SB2A (1.0-1.5)	9/12/13	9:00	Soil	NB	X		X									G2_SB-02A_1.0-1.5	4
-02	G2_COMP-02_0-5	9/12/13	9:00	Soil	NB		X		X	X								3
-03	G2SB3A (4.5-5)	9/12/13	11:00	Soil	NB	X		X									G2_SB-03A_4.5-5	4
-04	G2_COMP-03_0-5	9/12/13	11:00	Soil	NB		X		X	X								3
-05	G2_DUP			Soil	NB	X		X										4
-06	G2-COMP-DUP			Soil	NB		X		X	X								3
-07	Field Blank		11:45	AQ	NB						X						FB01_091213	1
-07	Field Blank				NB							X						1
-07	Field Blank				NB								X					1
-07	Field Blank				NB									X				1

Container Type												
Preservative												

Cooler A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[signature]	9-12-13 1710
[signature]	9/12/13 1930	[signature]	9/12/13 1930
[signature]	9/12/13	[signature]	9/13/13 0000

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)

revised CW 9/20/13

Serial_No:09231310:48

CHAIN OF CUSTODY

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ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318001

Client Information

Client: Langan, D.P.C.

Address: 300 W 31st St. 8th Floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing.

Project Location: Brooklyn, NY

Project #: 170 229 002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/19/13 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	6NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and part 375 parameters; 2) provide category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCBs	VOC	Hex Chrom.	TCL Metals	Temp B VOC	Temp Blank	Sample Specific Comments	Total # Bottles
18001-01	Field Blank	09/12/13	11:45	HQ	NB	X							1
02	Field Blank				NB		X						1
03	Field Blank				NB			X					1
04	Field Blank				NB				X				1
05	Trip Blank				NB					X		TB01_091213	3
	Temp Blank				NB						X		1

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

Container Type	
Preservative	

Cooler A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[illegible]	9/12/13 1710
[illegible]	9/12/13 1930	[illegible]	9/12/13 1930
[illegible]	9/12/13	[illegible]	9/13/13 0000

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FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318001

Client Information

Client: Langan, D.P.C.
Address: 300 W 31st St. 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
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 #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/19/13 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	6NYCRR 375 Unrestricted Use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

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	VOCs	Total Metals, Total CN, Hex Chrom, TCLP Chem, TCLP Metals, RCRA 8 Metals	TS	SVOCs, PCBs, Pest, Herb, 8 TAMPO	TPH GRO	NaOH	PCB	Herb	SVOC	Pest	Metals	Sample Specific Comments	TOTAL # BOTTLES
18001-01	G2SB2A (1.0-1.5)	9/12/13	9:00	Soil	NB	X		X										4
-02	G2_COMP-02_0-5	9/12/13	9:00	Soil	NB		X		X	X								3
-03	G2SB3A (4.5-5)	9/12/13	11:00	Soil	NB	X		X										4
-04	G2_COMP-03_0-5	9/12/13	11:00	Soil	NB		X		X	X								3
-05	G2_DUP			Soil	NB	X		X										4
-06	G2-COMP-DUP			Soil	NB		X		X	X								3
-07	Field Blank		11:45	AQ	NB						X							1
-07	Field Blank				NB							X						1
-07	Field Blank				NB								X					1
-07	Field Blank				NB									X				1

Container Type												
Preservative												

Cooler A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[signature]	9-12-13 1710
[signature]	9/12/13 1930	[signature]	9/12/13 1930
[signature]	9/12/13	[signature]	9/13/13 0000

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FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
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Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318001

Client Information

Client: Langan, D.P.C.
Address: 300 W 31st St. 8th Floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing.
Project Location: Brooklyn, NY
Project #: 170 229 002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/19/13 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	6NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and part 375 parameters; 2) provide category A data deliverables; 3) provide NYSDEC EDD.

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	PCBs	VOC	Hex Chrom.	TCL Metals	Temp B VOC	Temp Blank	Sample Specific Comments	Total # Bottles
18001-01	Field Blank	09/12/13	11:45	HQ	NB	X							1
02	Field Blank				NB		X						1
03	Field Blank				NB			X					1
04	Field Blank				NB				X				1
05	Trip Blank				NB					X			3
	Temp Blank				NB						X		1

Container Type												
Preservative												

Cooler A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[illegible]	9/12/13 1710
[illegible]	9/12/13 1930	Tom Fisher	9/12/13 1930
Tom Fisher	9/12/13	[illegible]	9/13/13 0000

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:	L1318009
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:	09/23/13

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: L1318009
Report Date: 09/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318009-01	G2_SB-01B_2.5-3	BROOKLYN, NY	09/12/13 12:45
L1318009-02	G2_COMP-01_0-5	BROOKLYN, NY	09/12/13 12:45
L1318009-03	G1_SB-04A_9-9.5	BROOKLYN, NY	09/12/13 14:30
L1318009-04	G1_COMP-04D_5-10	BROOKLYN, NY	09/12/13 14:30
L1318009-05	G1_SB-04A_2-2.5	BROOKLYN, NY	09/12/13 14:30
L1318009-06	G1_COMP-04S_0-5	BROOKLYN, NY	09/12/13 14:30
L1318009-07	G1_SB-03B_4-4.5	BROOKLYN, NY	09/12/13 15:40
L1318009-08	G1_SB-03B_9-9.5	BROOKLYN, NY	09/12/13 15:40
L1318009-09	G1_COMP-03D_5-10	BROOKLYN, NY	09/12/13 15:40
L1318009-10	G1_COMP-03S_0-5	BROOKLYN, NY	09/12/13 15:40

Project Name: GREENPOINT LANDING **Lab Number:** L1318009
Project Number: 170229002 **Report Date:** 09/23/13

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 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.

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

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

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.

Sample Receipt

The sample IDs were provided by the client.

Volatile Organics

L1318009-03: The internal standard (IS) response for 1,4-Dichlorobenzene-d4 (29%) and the surrogate recovery for 4-bromofluorobenzene (152%) were outside the acceptance criteria; however, re-analysis achieved similar results: 1,4-Dichlorobenzene-d4 (19%), Toluene-d8 (133%) and 4-bromofluorobenzene (190%). The results of both analyses are reported.

Semivolatile Organics

L1318009-09 has elevated detection limits due to the dilution required by the sample matrix.

L1318009-10 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

Pesticides

L1318009-02, -04, -06, -09 and -10 have elevated detection limits due to the dilutions required by the sample matrices.

Herbicides

The WG635979-2 LCS recovery, associated with L1318009-02, -04, -06, -09 and -10, is above the acceptance criteria for 2,4-D (155%); however, the associated samples are non-detect for this target compound. The results of the original analysis are reported.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

Case Narrative (continued)

Total Metals

L1318009-02, -04, -06, -09 and -10 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG636660-4 MS recoveries for aluminum (289%), calcium (0%), iron (4620%) and manganese (69%), performed on L1318009-02, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG636660-4 MS recoveries, performed on L1318009-02, are above the acceptance criteria for arsenic (173%), copper (273%) and lead (249%). A post digestion spike was performed with acceptable recoveries for arsenic (90%), copper (91%) and lead (94%).

The WG636660-4 MS recovery, performed on L1318009-02, is below the acceptance criteria for magnesium (0%). A post digestion spike was performed with an unacceptable recovery of 72%. This has been attributed to sample matrix.

The WG636660-3 Laboratory Duplicate RPD, performed on L1318009-02, is outside the acceptance criteria for calcium (47%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the Laboratory Duplicate.

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: 09/23/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-01	Date Collected:	09/12/13 12:45
Client ID:	G2_SB-01B_2.5-3	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 15:43		
Analyst:	PP		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.8	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.25	1
Chloroform	ND		ug/kg	2.1	0.53	1
Carbon tetrachloride	ND		ug/kg	1.4	0.30	1
1,2-Dichloropropane	ND		ug/kg	5.0	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.44	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.43	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.49	1
Trichlorofluoromethane	ND		ug/kg	7.1	0.17	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.16	1
Bromodichloromethane	ND		ug/kg	1.4	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.1	0.65	1
Bromoform	ND		ug/kg	5.7	0.59	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.24	1
Benzene	ND		ug/kg	1.4	0.17	1
Toluene	0.45	J	ug/kg	2.1	0.16	1
Ethylbenzene	ND		ug/kg	1.4	0.21	1
Chloromethane	ND		ug/kg	7.1	1.1	1
Bromomethane	ND		ug/kg	2.8	0.48	1
Vinyl chloride	ND		ug/kg	2.8	0.20	1
Chloroethane	ND		ug/kg	2.8	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.30	1
Trichloroethene	ND		ug/kg	1.4	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	7.1	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.1	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	7.1	0.34	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-01 Date Collected: 09/12/13 12:45

Client ID: G2_SB-01B_2.5-3 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.8	0.15	1
p/m-Xylene	ND		ug/kg	2.8	0.46	1
o-Xylene	ND		ug/kg	2.8	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.21	1
Dibromomethane	ND		ug/kg	14	0.23	1
Styrene	ND		ug/kg	2.8	0.44	1
Dichlorodifluoromethane	ND		ug/kg	14	0.31	1
Acetone	7.0	J	ug/kg	14	4.4	1
Carbon disulfide	ND		ug/kg	14	2.8	1
2-Butanone	1.2	J	ug/kg	14	0.50	1
Vinyl acetate	ND		ug/kg	14	0.68	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.35	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.32	1
2-Hexanone	ND		ug/kg	14	0.27	1
Bromochloromethane	ND		ug/kg	7.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	7.1	0.32	1
1,2-Dibromoethane	ND		ug/kg	5.7	0.25	1
1,3-Dichloropropane	ND		ug/kg	7.1	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.45	1
Bromobenzene	ND		ug/kg	7.1	0.30	1
n-Butylbenzene	ND		ug/kg	1.4	0.28	1
sec-Butylbenzene	ND		ug/kg	1.4	0.29	1
tert-Butylbenzene	ND		ug/kg	7.1	0.80	1
o-Chlorotoluene	ND		ug/kg	7.1	0.23	1
p-Chlorotoluene	ND		ug/kg	7.1	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.1	1.1	1
Hexachlorobutadiene	ND		ug/kg	7.1	0.60	1
Isopropylbenzene	ND		ug/kg	1.4	0.24	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.27	1
Naphthalene	ND		ug/kg	7.1	1.1	1
Acrylonitrile	ND		ug/kg	14	0.34	1
n-Propylbenzene	ND		ug/kg	1.4	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.1	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.1	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.1	0.82	1
Methyl Acetate	ND		ug/kg	28	1.1	1
Cyclohexane	ND		ug/kg	28	1.5	1
1,4-Dioxane	ND		ug/kg	140	25.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-01	Date Collected:	09/12/13 12:45
Client ID:	G2_SB-01B_2.5-3	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	28	0.39	1
p-Diethylbenzene	ND		ug/kg	5.7	0.23	1
p-Ethyltoluene	ND		ug/kg	5.7	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.7	0.18	1
Ethyl ether	ND		ug/kg	7.1	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.1	0.64	1
Methyl cyclohexane	ND		ug/kg	5.7	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	95		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-03	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_9-9.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 18:18		
Analyst:	PP		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	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	0.38	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	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.56	1
Bromoform	ND		ug/kg	4.9	0.51	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.96	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.30	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-03 Date Collected: 09/12/13 14:30

Client ID: G1_SB-04A_9-9.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.13	1
p/m-Xylene	ND		ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.33	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	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	5.6	J	ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.43	1
Vinyl acetate	ND		ug/kg	12	0.59	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.1	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.21	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	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.1	0.68	1
o-Chlorotoluene	ND		ug/kg	6.1	0.20	1
p-Chlorotoluene	ND		ug/kg	6.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.96	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.52	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.1	0.94	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.96	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.70	1
Methyl Acetate	ND		ug/kg	24	0.93	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-03	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_9-9.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.33	1
p-Diethylbenzene	ND		ug/kg	4.9	0.20	1
p-Ethyltoluene	ND		ug/kg	4.9	0.14	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	0.55	1
Methyl cyclohexane	ND		ug/kg	4.9	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	118		70-130
4-Bromofluorobenzene	**152**	Q	70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-03	R	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_9-9.5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	09/23/13 13:58			
Analyst:	PP			
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.48	1
Bromoform	ND		ug/kg	4.2	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.12	1
Toluene	0.24	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.3	0.83	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.26	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-03 R Date Collected: 09/12/13 14:30

Client ID: G1_SB-04A_9-9.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.34	1
o-Xylene	ND		ug/kg	2.1	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.17	1
Styrene	ND		ug/kg	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.23	1
Acetone	4.3	J	ug/kg	11	3.3	1
Carbon disulfide	ND		ug/kg	11	2.1	1
2-Butanone	ND		ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.51	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.3	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.3	0.60	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.84	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.20	1
Naphthalene	2.9	J	ug/kg	5.3	0.82	1
Acrylonitrile	ND		ug/kg	11	0.25	1
n-Propylbenzene	ND		ug/kg	1.1	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.84	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.61	1
Methyl Acetate	ND		ug/kg	21	0.81	1
Cyclohexane	ND		ug/kg	21	1.1	1
1,4-Dioxane	ND		ug/kg	110	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-03	R	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_9-9.5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	21	0.29	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.12	1
1,2,4,5-Tetramethylbenzene	0.42	J	ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.48	1
Methyl cyclohexane	ND		ug/kg	4.2	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	**133**	Q	70-130
4-Bromofluorobenzene	**190**	Q	70-130
Dibromofluoromethane	107		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-05	Date Collected:	09/12/13 14:30
Client ID:	G1_SB-04A_2-2.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 15:24		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	210	J	ug/kg	800	160	1
1,1-Dichloroethane	ND		ug/kg	120	14.	1
Chloroform	ND		ug/kg	120	29.	1
Carbon tetrachloride	ND		ug/kg	80	17.	1
1,2-Dichloropropane	ND		ug/kg	280	18.	1
Dibromochloromethane	ND		ug/kg	80	24.	1
1,1,2-Trichloroethane	ND		ug/kg	120	24.	1
Tetrachloroethene	ND		ug/kg	80	11.	1
Chlorobenzene	ND		ug/kg	80	28.	1
Trichlorofluoromethane	ND		ug/kg	400	9.6	1
1,2-Dichloroethane	ND		ug/kg	80	12.	1
1,1,1-Trichloroethane	ND		ug/kg	80	8.8	1
Bromodichloromethane	ND		ug/kg	80	18.	1
trans-1,3-Dichloropropene	ND		ug/kg	80	9.6	1
cis-1,3-Dichloropropene	ND		ug/kg	80	10.	1
1,1-Dichloropropene	ND		ug/kg	400	36.	1
Bromoform	ND		ug/kg	320	33.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	80	14.	1
Benzene	21	J	ug/kg	80	9.4	1
Toluene	47	J	ug/kg	120	8.9	1
Ethylbenzene	15	J	ug/kg	80	12.	1
Chloromethane	ND		ug/kg	400	62.	1
Bromomethane	63	J	ug/kg	160	27.	1
Vinyl chloride	ND		ug/kg	160	11.	1
Chloroethane	ND		ug/kg	160	25.	1
1,1-Dichloroethene	ND		ug/kg	80	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	17.	1
Trichloroethene	ND		ug/kg	80	12.	1
1,2-Dichlorobenzene	ND		ug/kg	400	14.	1
1,3-Dichlorobenzene	ND		ug/kg	400	14.	1
1,4-Dichlorobenzene	ND		ug/kg	400	19.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-05 Date Collected: 09/12/13 14:30

Client ID: G1_SB-04A_2-2.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	160	8.3	1
p/m-Xylene	66	J	ug/kg	160	26.	1
o-Xylene	ND		ug/kg	160	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	80	12.	1
Dibromomethane	ND		ug/kg	800	13.	1
Styrene	ND		ug/kg	160	25.	1
Dichlorodifluoromethane	ND		ug/kg	800	17.	1
Acetone	ND		ug/kg	800	250	1
Carbon disulfide	ND		ug/kg	800	160	1
2-Butanone	ND		ug/kg	800	28.	1
Vinyl acetate	ND		ug/kg	800	38.	1
4-Methyl-2-pentanone	ND		ug/kg	800	19.	1
1,2,3-Trichloropropane	ND		ug/kg	800	18.	1
2-Hexanone	ND		ug/kg	800	15.	1
Bromochloromethane	ND		ug/kg	400	16.	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	14.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	80	25.	1
Bromobenzene	ND		ug/kg	400	16.	1
n-Butylbenzene	ND		ug/kg	80	16.	1
sec-Butylbenzene	ND		ug/kg	80	16.	1
tert-Butylbenzene	ND		ug/kg	400	44.	1
o-Chlorotoluene	ND		ug/kg	400	13.	1
p-Chlorotoluene	ND		ug/kg	400	12.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	63.	1
Hexachlorobutadiene	ND		ug/kg	400	34.	1
Isopropylbenzene	18	J	ug/kg	80	13.	1
p-Isopropyltoluene	ND		ug/kg	80	15.	1
Naphthalene	780		ug/kg	400	61.	1
Acrylonitrile	ND		ug/kg	800	19.	1
n-Propylbenzene	ND		ug/kg	80	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	400	13.	1
1,2,4-Trichlorobenzene	ND		ug/kg	400	63.	1
1,3,5-Trimethylbenzene	67	J	ug/kg	400	11.	1
1,2,4-Trimethylbenzene	59	J	ug/kg	400	46.	1
Methyl Acetate	ND		ug/kg	1600	61.	1
Cyclohexane	ND		ug/kg	1600	85.	1
1,4-Dioxane	ND		ug/kg	8000	1400	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-05 Date Collected: 09/12/13 14:30

Client ID: G1_SB-04A_2-2.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1600	22.	1
p-Diethylbenzene	77	J	ug/kg	320	13.	1
p-Ethyltoluene	37	J	ug/kg	320	9.3	1
1,2,4,5-Tetramethylbenzene	49	J	ug/kg	320	10.	1
Ethyl ether	ND		ug/kg	400	21.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	400	36.	1
Methyl cyclohexane	130	J	ug/kg	320	100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	91		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-07	Date Collected:	09/12/13 15:40
Client ID:	G1_SB-03B_4-4.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 14:34		
Analyst:	PP		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	810	160	1
1,1-Dichloroethane	ND		ug/kg	120	14.	1
Chloroform	ND		ug/kg	120	30.	1
Carbon tetrachloride	ND		ug/kg	81	17.	1
1,2-Dichloropropane	ND		ug/kg	280	18.	1
Dibromochloromethane	ND		ug/kg	81	25.	1
1,1,2-Trichloroethane	ND		ug/kg	120	25.	1
Tetrachloroethene	ND		ug/kg	81	11.	1
Chlorobenzene	ND		ug/kg	81	28.	1
Trichlorofluoromethane	ND		ug/kg	400	9.8	1
1,2-Dichloroethane	1100		ug/kg	81	12.	1
1,1,1-Trichloroethane	ND		ug/kg	81	9.0	1
Bromodichloromethane	ND		ug/kg	81	18.	1
trans-1,3-Dichloropropene	ND		ug/kg	81	9.8	1
cis-1,3-Dichloropropene	ND		ug/kg	81	10.	1
1,1-Dichloropropene	ND		ug/kg	400	37.	1
Bromoform	ND		ug/kg	320	34.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	81	14.	1
Benzene	17	J	ug/kg	81	9.6	1
Toluene	67	J	ug/kg	120	9.1	1
Ethylbenzene	ND		ug/kg	81	12.	1
Chloromethane	ND		ug/kg	400	64.	1
Bromomethane	ND		ug/kg	160	27.	1
Vinyl chloride	ND		ug/kg	160	11.	1
Chloroethane	ND		ug/kg	160	26.	1
1,1-Dichloroethene	ND		ug/kg	81	17.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	17.	1
Trichloroethene	22	J	ug/kg	81	12.	1
1,2-Dichlorobenzene	ND		ug/kg	400	15.	1
1,3-Dichlorobenzene	ND		ug/kg	400	15.	1
1,4-Dichlorobenzene	ND		ug/kg	400	20.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-07 Date Collected: 09/12/13 15:40

Client ID: G1_SB-03B_4-4.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	160	8.4	1
p/m-Xylene	51	J	ug/kg	160	26.	1
o-Xylene	ND		ug/kg	160	22.	1
cis-1,2-Dichloroethene	ND		ug/kg	81	12.	1
Dibromomethane	ND		ug/kg	810	13.	1
Styrene	ND		ug/kg	160	25.	1
Dichlorodifluoromethane	ND		ug/kg	810	18.	1
Acetone	260	J	ug/kg	810	250	1
Carbon disulfide	ND		ug/kg	810	160	1
2-Butanone	ND		ug/kg	810	29.	1
Vinyl acetate	ND		ug/kg	810	39.	1
4-Methyl-2-pentanone	ND		ug/kg	810	20.	1
1,2,3-Trichloropropane	ND		ug/kg	810	18.	1
2-Hexanone	ND		ug/kg	810	15.	1
Bromochloromethane	ND		ug/kg	400	16.	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	14.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	81	26.	1
Bromobenzene	ND		ug/kg	400	17.	1
n-Butylbenzene	ND		ug/kg	81	16.	1
sec-Butylbenzene	ND		ug/kg	81	17.	1
tert-Butylbenzene	ND		ug/kg	400	45.	1
o-Chlorotoluene	ND		ug/kg	400	13.	1
p-Chlorotoluene	ND		ug/kg	400	12.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	400	64.	1
Hexachlorobutadiene	ND		ug/kg	400	34.	1
Isopropylbenzene	ND		ug/kg	81	14.	1
p-Isopropyltoluene	ND		ug/kg	81	16.	1
Naphthalene	65	J	ug/kg	400	62.	1
Acrylonitrile	ND		ug/kg	810	19.	1
n-Propylbenzene	ND		ug/kg	81	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	400	14.	1
1,2,4-Trichlorobenzene	ND		ug/kg	400	64.	1
1,3,5-Trimethylbenzene	35	J	ug/kg	400	12.	1
1,2,4-Trimethylbenzene	ND		ug/kg	400	46.	1
Methyl Acetate	ND		ug/kg	1600	62.	1
Cyclohexane	93	J	ug/kg	1600	87.	1
1,4-Dioxane	ND		ug/kg	8100	1400	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-07	Date Collected:	09/12/13 15:40
Client ID:	G1_SB-03B_4-4.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1600	22.	1
p-Diethylbenzene	23	J	ug/kg	320	13.	1
p-Ethyltoluene	ND		ug/kg	320	9.5	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	320	10.	1
Ethyl ether	ND		ug/kg	400	22.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	400	36.	1
Methyl cyclohexane	320		ug/kg	320	100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-08	Date Collected:	09/12/13 15:40
Client ID:	G1_SB-03B_9-9.5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 11:20		
Analyst:	PP		
Percent Solids:	69%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.0	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.27	1
Chloroform	ND		ug/kg	2.2	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	0.46	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.46	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.5	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.17	1
Bromodichloromethane	ND		ug/kg	1.5	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.5	0.68	1
Bromoform	ND		ug/kg	6.0	0.62	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.26	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.2	0.17	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	7.5	1.2	1
Bromomethane	ND		ug/kg	3.0	0.51	1
Vinyl chloride	ND		ug/kg	3.0	0.21	1
Chloroethane	ND		ug/kg	3.0	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.32	1
Trichloroethene	ND		ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.5	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	7.5	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	7.5	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-08 Date Collected: 09/12/13 15:40

Client ID: G1_SB-03B_9-9.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.0	0.16	1
p/m-Xylene	ND		ug/kg	3.0	0.48	1
o-Xylene	ND		ug/kg	3.0	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.24	1
Styrene	ND		ug/kg	3.0	0.46	1
Dichlorodifluoromethane	ND		ug/kg	15	0.33	1
Acetone	6.5	J	ug/kg	15	4.7	1
Carbon disulfide	ND		ug/kg	15	3.0	1
2-Butanone	ND		ug/kg	15	0.53	1
Vinyl acetate	ND		ug/kg	15	0.72	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.37	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.34	1
2-Hexanone	ND		ug/kg	15	0.28	1
Bromochloromethane	ND		ug/kg	7.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	7.5	0.34	1
1,2-Dibromoethane	ND		ug/kg	6.0	0.27	1
1,3-Dichloropropane	ND		ug/kg	7.5	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.48	1
Bromobenzene	ND		ug/kg	7.5	0.31	1
n-Butylbenzene	ND		ug/kg	1.5	0.30	1
sec-Butylbenzene	ND		ug/kg	1.5	0.31	1
tert-Butylbenzene	ND		ug/kg	7.5	0.84	1
o-Chlorotoluene	ND		ug/kg	7.5	0.24	1
p-Chlorotoluene	ND		ug/kg	7.5	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.5	0.63	1
Isopropylbenzene	ND		ug/kg	1.5	0.25	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.29	1
Naphthalene	ND		ug/kg	7.5	1.2	1
Acrylonitrile	ND		ug/kg	15	0.36	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.5	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.5	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.5	0.86	1
Methyl Acetate	ND		ug/kg	30	1.1	1
Cyclohexane	ND		ug/kg	30	1.6	1
1,4-Dioxane	ND		ug/kg	150	26.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-08 Date Collected: 09/12/13 15:40

Client ID: G1_SB-03B_9-9.5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
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	0.18	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.0	0.20	1
Ethyl ether	ND		ug/kg	7.5	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.5	0.67	1
Methyl cyclohexane	ND		ug/kg	6.0	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 10:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07 Batch: WG637605-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
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	15.
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	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 10:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07 Batch: WG637605-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 10:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 07 Batch: WG637605-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	19	J	ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
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	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG637788-3					
Methylene chloride	3.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.22	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG637788-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG637788-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638134-3					
Methylene chloride	2.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638134-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638134-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-6					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-6					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638254-6					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638370-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
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	15.
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	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638370-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638370-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
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	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								
Methylene chloride	97		90		70-130	7		30
1,1-Dichloroethane	90		85		70-130	6		30
Chloroform	89		84		70-130	6		30
Carbon tetrachloride	94		90		70-130	4		30
1,2-Dichloropropane	89		85		70-130	5		30
Dibromochloromethane	98		95		70-130	3		30
1,1,2-Trichloroethane	97		94		70-130	3		30
Tetrachloroethene	103		97		70-130	6		30
Chlorobenzene	98		95		70-130	3		30
Trichlorofluoromethane	86		81		70-139	6		30
1,2-Dichloroethane	87		85		70-130	2		30
1,1,1-Trichloroethane	92		87		70-130	6		30
Bromodichloromethane	88		84		70-130	5		30
trans-1,3-Dichloropropene	95		92		70-130	3		30
cis-1,3-Dichloropropene	85		82		70-130	4		30
1,1-Dichloropropene	89		84		70-130	6		30
Bromoform	99		96		70-130	3		30
1,1,2,2-Tetrachloroethane	97		94		70-130	3		30
Benzene	91		86		70-130	6		30
Toluene	102		95		70-130	7		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								
Chloromethane	102		88		52-130	15		30
Bromomethane	87		84		57-147	4		30
Vinyl chloride	86		80		67-130	7		30
Chloroethane	89		82		50-151	8		30
1,1-Dichloroethene	92		86		65-135	7		30
trans-1,2-Dichloroethene	92		87		70-130	6		30
Trichloroethene	91		87		70-130	4		30
1,2-Dichlorobenzene	100		98		70-130	2		30
1,3-Dichlorobenzene	101		97		70-130	4		30
1,4-Dichlorobenzene	100		97		70-130	3		30
Methyl tert butyl ether	86		84		66-130	2		30
p/m-Xylene	100		96		70-130	4		30
o-Xylene	100		95		70-130	5		30
cis-1,2-Dichloroethene	89		86		70-130	3		30
Dibromomethane	89		85		70-130	5		30
Styrene	100		96		70-130	4		30
Dichlorodifluoromethane	84		79		30-146	6		30
Acetone	99		73		54-140	30		30
Carbon disulfide	93		84		59-130	10		30
2-Butanone	101		86		70-130	16		30
Vinyl acetate	82		79		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								
4-Methyl-2-pentanone	86		83		70-130	4		30
1,2,3-Trichloropropane	97		94		68-130	3		30
2-Hexanone	96		87		70-130	10		30
Bromochloromethane	91		88		70-130	3		30
2,2-Dichloropropane	93		87		70-130	7		30
1,2-Dibromoethane	96		94		70-130	2		30
1,3-Dichloropropane	95		92		69-130	3		30
1,1,1,2-Tetrachloroethane	98		95		70-130	3		30
Bromobenzene	98		94		70-130	4		30
n-Butylbenzene	102		97		70-130	5		30
sec-Butylbenzene	100		96		70-130	4		30
tert-Butylbenzene	101		96		70-130	5		30
o-Chlorotoluene	100		97		70-130	3		30
p-Chlorotoluene	98		94		70-130	4		30
1,2-Dibromo-3-chloropropane	98		96		68-130	2		30
Hexachlorobutadiene	100		98		67-130	2		30
Isopropylbenzene	98		93		70-130	5		30
p-Isopropyltoluene	101		98		70-130	3		30
Naphthalene	95		93		70-130	2		30
Acrylonitrile	92		88		70-130	4		30
Isopropyl Ether	85		83		66-130	2		30

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
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								
tert-Butyl Alcohol	94		88		70-130	7		30
n-Propylbenzene	99		94		70-130	5		30
1,2,3-Trichlorobenzene	98		97		70-130	1		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
1,3,5-Trimethylbenzene	101		96		70-130	5		30
1,2,4-Trimethylbenzene	102		97		70-130	5		30
Methyl Acetate	91		87		51-146	4		30
Ethyl Acetate	84		85		70-130	1		30
Acrolein	99		91		70-130	8		30
Cyclohexane	86		79		59-142	8		30
1,4-Dioxane	93		90		65-136	3		30
Freon-113	84		79		50-139	6		30
p-Diethylbenzene	102		98		70-130	4		30
p-Ethyltoluene	100		95		70-130	5		30
1,2,4,5-Tetramethylbenzene	100		96		70-130	4		30
Tetrahydrofuran	86		82		66-130	5		30
Ethyl ether	78		74		67-130	5		30
trans-1,4-Dichloro-2-butene	96		95		70-130	1		30
Methyl cyclohexane	83		76		70-130	9		30
Ethyl-Tert-Butyl-Ether	86		84		70-130	2		30
Tertiary-Amyl Methyl Ether	87		85		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 07 Batch: WG637605-1 WG637605-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	93		92		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								
Methylene chloride	114		111		70-130	3		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	96		90		70-130	6		30
1,2-Dichloropropane	97		94		70-130	3		30
Dibromochloromethane	93		94		70-130	1		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	98		91		70-130	7		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	94		86		70-139	9		30
1,2-Dichloroethane	95		93		70-130	2		30
1,1,1-Trichloroethane	97		92		70-130	5		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	93		94		70-130	1		30
1,1-Dichloropropene	96		91		70-130	5		30
Bromoform	95		93		70-130	2		30
1,1,2,2-Tetrachloroethane	93		92		70-130	1		30
Benzene	98		94		70-130	4		30
Toluene	96		93		70-130	3		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								
Chloromethane	91		89		52-130	2		30
Bromomethane	113		99		57-147	13		30
Vinyl chloride	96		90		67-130	6		30
Chloroethane	126		116		50-151	8		30
1,1-Dichloroethene	96		89		65-135	8		30
trans-1,2-Dichloroethene	99		93		70-130	6		30
Trichloroethene	98		95		70-130	3		30
1,2-Dichlorobenzene	98		94		70-130	4		30
1,3-Dichlorobenzene	99		95		70-130	4		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	99		96		70-130	3		30
o-Xylene	99		96		70-130	3		30
cis-1,2-Dichloroethene	99		95		70-130	4		30
Dibromomethane	95		94		70-130	1		30
Styrene	100		98		70-130	2		30
Dichlorodifluoromethane	82		76		30-146	8		30
Acetone	127		114		54-140	11		30
Carbon disulfide	97		91		59-130	6		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	89		88		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								
4-Methyl-2-pentanone	92		95		70-130	3		30
1,2,3-Trichloropropane	96		95		68-130	1		30
2-Hexanone	104		99		70-130	5		30
Bromochloromethane	100		98		70-130	2		30
2,2-Dichloropropane	100		95		70-130	5		30
1,2-Dibromoethane	95		94		70-130	1		30
1,3-Dichloropropane	94		94		69-130	0		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	98		95		70-130	3		30
n-Butylbenzene	100		96		70-130	4		30
sec-Butylbenzene	100		94		70-130	6		30
tert-Butylbenzene	100		94		70-130	6		30
o-Chlorotoluene	100		95		70-130	5		30
p-Chlorotoluene	100		96		70-130	4		30
1,2-Dibromo-3-chloropropane	115		77		68-130	**40**	Q	30
Hexachlorobutadiene	98		94		67-130	4		30
Isopropylbenzene	101		95		70-130	6		30
p-Isopropyltoluene	102		96		70-130	6		30
Naphthalene	96		97		70-130	1		30
Acrylonitrile	94		96		70-130	2		30
Isopropyl Ether	98		97		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								
tert-Butyl Alcohol	90		90		70-130	0		30
n-Propylbenzene	101		95		70-130	6		30
1,2,3-Trichlorobenzene	100		98		70-130	2		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	102		96		70-130	6		30
1,2,4-Trimethylbenzene	100		96		70-130	4		30
Methyl Acetate	91		92		51-146	1		30
Ethyl Acetate	93		93		70-130	0		30
Acrolein	88		93		70-130	6		30
Cyclohexane	89		83		59-142	7		30
1,4-Dioxane	88		89		65-136	1		30
Freon-113	85		79		50-139	7		30
p-Diethylbenzene	102		97		70-130	5		30
p-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		101		70-130	3		30
Tetrahydrofuran	97		98		66-130	1		30
Ethyl ether	97		94		67-130	3		30
trans-1,4-Dichloro-2-butene	93		92		70-130	1		30
Methyl cyclohexane	87		80		70-130	8		30
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		30
Tertiary-Amyl Methyl Ether	98		97		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG637788-1 WG637788-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								
Methylene chloride	104		97		70-130	7		30
1,1-Dichloroethane	92		86		70-130	7		30
Chloroform	92		87		70-130	6		30
Carbon tetrachloride	91		84		70-130	8		30
1,2-Dichloropropane	92		87		70-130	6		30
Dibromochloromethane	89		84		70-130	6		30
1,1,2-Trichloroethane	92		86		70-130	7		30
Tetrachloroethene	91		84		70-130	8		30
Chlorobenzene	91		85		70-130	7		30
Trichlorofluoromethane	89		81		70-139	9		30
1,2-Dichloroethane	94		89		70-130	5		30
1,1,1-Trichloroethane	92		86		70-130	7		30
Bromodichloromethane	92		85		70-130	8		30
trans-1,3-Dichloropropene	88		84		70-130	5		30
cis-1,3-Dichloropropene	89		84		70-130	6		30
1,1-Dichloropropene	92		84		70-130	9		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	87		85		70-130	2		30
Benzene	92		85		70-130	8		30
Toluene	91		83		70-130	9		30
Ethylbenzene	92		84		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								
Chloromethane	89		80		52-130	11		30
Bromomethane	99		88		57-147	12		30
Vinyl chloride	91		82		67-130	10		30
Chloroethane	116		102		50-151	13		30
1,1-Dichloroethene	91		82		65-135	10		30
trans-1,2-Dichloroethene	92		84		70-130	9		30
Trichloroethene	93		87		70-130	7		30
1,2-Dichlorobenzene	90		86		70-130	5		30
1,3-Dichlorobenzene	91		87		70-130	4		30
1,4-Dichlorobenzene	91		88		70-130	3		30
Methyl tert butyl ether	92		87		66-130	6		30
p/m-Xylene	92		86		70-130	7		30
o-Xylene	93		87		70-130	7		30
cis-1,2-Dichloroethene	93		86		70-130	8		30
Dibromomethane	92		88		70-130	4		30
Styrene	95		88		70-130	8		30
Dichlorodifluoromethane	77		70		30-146	10		30
Acetone	133		114		54-140	15		30
Carbon disulfide	91		83		59-130	9		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	85		80		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								
4-Methyl-2-pentanone	90		88		70-130	2		30
1,2,3-Trichloropropane	91		86		68-130	6		30
2-Hexanone	100		93		70-130	7		30
Bromochloromethane	95		91		70-130	4		30
2,2-Dichloropropane	94		86		70-130	9		30
1,2-Dibromoethane	90		85		70-130	6		30
1,3-Dichloropropane	91		86		69-130	6		30
1,1,1,2-Tetrachloroethane	90		85		70-130	6		30
Bromobenzene	90		87		70-130	3		30
n-Butylbenzene	90		86		70-130	5		30
sec-Butylbenzene	89		85		70-130	5		30
tert-Butylbenzene	89		86		70-130	3		30
o-Chlorotoluene	73		86		70-130	16		30
p-Chlorotoluene	89		86		70-130	3		30
1,2-Dibromo-3-chloropropane	80		85		68-130	6		30
Hexachlorobutadiene	87		81		67-130	7		30
Isopropylbenzene	91		86		70-130	6		30
p-Isopropyltoluene	91		86		70-130	6		30
Naphthalene	92		88		70-130	4		30
Acrylonitrile	94		88		70-130	7		30
Isopropyl Ether	95		90		66-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								
tert-Butyl Alcohol	83		84		70-130	1		30
n-Propylbenzene	90		86		70-130	5		30
1,2,3-Trichlorobenzene	93		90		70-130	3		30
1,2,4-Trichlorobenzene	94		90		70-130	4		30
1,3,5-Trimethylbenzene	91		88		70-130	3		30
1,2,4-Trimethylbenzene	91		88		70-130	3		30
Methyl Acetate	90		89		51-146	1		30
Ethyl Acetate	93		89		70-130	4		30
Acrolein	89		82		70-130	8		30
Cyclohexane	86		78		59-142	10		30
1,4-Dioxane	88		85		65-136	3		30
Freon-113	82		74		50-139	10		30
p-Diethylbenzene	91		87		70-130	4		30
p-Ethyltoluene	91		87		70-130	4		30
1,2,4,5-Tetramethylbenzene	93		90		70-130	3		30
Tetrahydrofuran	96		93		66-130	3		30
Ethyl ether	92		88		67-130	4		30
trans-1,4-Dichloro-2-butene	89		85		70-130	5		30
Methyl cyclohexane	80		74		70-130	8		30
Ethyl-Tert-Butyl-Ether	93		89		70-130	4		30
Tertiary-Amyl Methyl Ether	93		88		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638134-1 WG638134-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
Freon-113	89		88		50-139	1		30
p-Diethylbenzene	99		99		70-130	0		30
p-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
Freon-113	85		83		50-139	2		30
p-Diethylbenzene	94		94		70-130	0		30
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638254-4 WG638254-5								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

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
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								
Methylene chloride	104		105		70-130	1		30
1,1-Dichloroethane	102		103		70-130	1		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	99		102		70-130	3		30
1,2-Dichloropropane	100		103		70-130	3		30
Dibromochloromethane	92		94		70-130	2		30
1,1,2-Trichloroethane	96		98		70-130	2		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	97		98		70-130	1		30
Trichlorofluoromethane	106		105		70-139	1		30
1,2-Dichloroethane	102		104		70-130	2		30
1,1,1-Trichloroethane	102		102		70-130	0		30
Bromodichloromethane	99		103		70-130	4		30
trans-1,3-Dichloropropene	90		92		70-130	2		30
cis-1,3-Dichloropropene	94		97		70-130	3		30
1,1-Dichloropropene	101		102		70-130	1		30
Bromoform	88		92		70-130	4		30
1,1,2,2-Tetrachloroethane	90		92		70-130	2		30
Benzene	102		103		70-130	1		30
Toluene	96		97		70-130	1		30
Ethylbenzene	97		98		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
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Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								
Chloromethane	99		99		52-130	0		30
Bromomethane	115		113		57-147	2		30
Vinyl chloride	101		101		67-130	0		30
Chloroethane	122		126		50-151	3		30
1,1-Dichloroethene	101		98		65-135	3		30
trans-1,2-Dichloroethene	103		103		70-130	0		30
Trichloroethene	103		103		70-130	0		30
1,2-Dichlorobenzene	97		97		70-130	0		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	100		99		70-130	1		30
Methyl tert butyl ether	97		100		66-130	3		30
p/m-Xylene	99		100		70-130	1		30
o-Xylene	98		100		70-130	2		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	100		102		70-130	2		30
Styrene	100		101		70-130	1		30
Dichlorodifluoromethane	93		93		30-146	0		30
Acetone	**143**	Q	138		54-140	4		30
Carbon disulfide	100		100		59-130	0		30
2-Butanone	**132**	Q	**132**	Q	70-130	0		30
Vinyl acetate	91		93		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								
4-Methyl-2-pentanone	94		97		70-130	3		30
1,2,3-Trichloropropane	93		92		68-130	1		30
2-Hexanone	106		105		70-130	1		30
Bromochloromethane	106		105		70-130	1		30
2,2-Dichloropropane	101		102		70-130	1		30
1,2-Dibromoethane	92		96		70-130	4		30
1,3-Dichloropropane	94		95		69-130	1		30
1,1,1,2-Tetrachloroethane	94		95		70-130	1		30
Bromobenzene	97		98		70-130	1		30
n-Butylbenzene	100		100		70-130	0		30
sec-Butylbenzene	98		98		70-130	0		30
tert-Butylbenzene	97		97		70-130	0		30
o-Chlorotoluene	97		96		70-130	1		30
p-Chlorotoluene	99		98		70-130	1		30
1,2-Dibromo-3-chloropropane	86		84		68-130	2		30
Hexachlorobutadiene	98		98		67-130	0		30
Isopropylbenzene	98		98		70-130	0		30
p-Isopropyltoluene	99		99		70-130	0		30
Naphthalene	94		95		70-130	1		30
Acrylonitrile	101		102		70-130	1		30
Isopropyl Ether	105		106		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								
tert-Butyl Alcohol	87		90		70-130	3		30
n-Propylbenzene	99		98		70-130	1		30
1,2,3-Trichlorobenzene	99		101		70-130	2		30
1,2,4-Trichlorobenzene	102		102		70-130	0		30
1,3,5-Trimethylbenzene	98		99		70-130	1		30
1,2,4-Trimethylbenzene	98		99		70-130	1		30
Methyl Acetate	100		98		51-146	2		30
Ethyl Acetate	97		99		70-130	2		30
Acrolein	95		95		70-130	0		30
Cyclohexane	102		100		59-142	2		30
1,4-Dioxane	94		97		65-136	3		30
Freon-113	100		98		50-139	2		30
p-Diethylbenzene	100		100		70-130	0		30
p-Ethyltoluene	99		99		70-130	0		30
1,2,4,5-Tetramethylbenzene	102		102		70-130	0		30
Tetrahydrofuran	102		96		66-130	6		30
Ethyl ether	101		100		67-130	1		30
trans-1,4-Dichloro-2-butene	91		92		70-130	1		30
Methyl cyclohexane	98		98		70-130	0		30
Ethyl-Tert-Butyl-Ether	102		101		70-130	1		30
Tertiary-Amyl Methyl Ether	97		99		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638370-1 WG638370-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		102		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	D	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 09:58			
Analyst:	PS			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1300		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	18000		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	200	4
Hexachlorocyclopentadiene	ND		ug/kg	2100	470	4
Hexachloroethane	ND		ug/kg	580	130	4
Isophorone	ND		ug/kg	660	190	4
Naphthalene	970		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
Benzo(a)anthracene	8700		ug/kg	440	140	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-02 D Date Collected: 09/12/13 12:45

Client ID: G2_COMP-01_0-5 Date Received: 09/12/13

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)pyrene	8600		ug/kg	580	180	4
Benzo(b)fluoranthene	10000		ug/kg	440	150	4
Benzo(k)fluoranthene	3600		ug/kg	440	140	4
Chrysene	8700		ug/kg	440	140	4
Acenaphthylene	580		ug/kg	580	140	4
Anthracene	3800		ug/kg	440	120	4
Benzo(ghi)perylene	5400		ug/kg	580	150	4
Fluorene	1600		ug/kg	730	210	4
Phenanthrene	12000		ug/kg	440	140	4
Dibenzo(a,h)anthracene	1400		ug/kg	440	140	4
Indeno(1,2,3-cd)Pyrene	6000		ug/kg	580	160	4
Pyrene	16000		ug/kg	440	140	4
Biphenyl	240	J	ug/kg	1700	240	4
4-Chloroaniline	ND		ug/kg	730	190	4
2-Nitroaniline	ND		ug/kg	730	200	4
3-Nitroaniline	ND		ug/kg	730	200	4
4-Nitroaniline	ND		ug/kg	730	200	4
Dibenzofuran	1400		ug/kg	730	240	4
2-Methylnaphthalene	490	J	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	1500	J	ug/kg	2400	740	4
Benzyl Alcohol	ND		ug/kg	730	220	4
Carbazole	1000		ug/kg	730	160	4
Benzaldehyde	ND		ug/kg	960	290	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02 D	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	87		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	89		0-136
4-Terphenyl-d14	94		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04 D	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 10:23		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1500		ug/kg	620	160	4
1,2,4-Trichlorobenzene	ND		ug/kg	780	260	4
Hexachlorobenzene	ND		ug/kg	470	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	700	220	4
2-Chloronaphthalene	ND		ug/kg	780	250	4
1,2-Dichlorobenzene	ND		ug/kg	780	260	4
1,3-Dichlorobenzene	ND		ug/kg	780	250	4
1,4-Dichlorobenzene	ND		ug/kg	780	240	4
3,3'-Dichlorobenzidine	ND		ug/kg	780	210	4
2,4-Dinitrotoluene	ND		ug/kg	780	170	4
2,6-Dinitrotoluene	ND		ug/kg	780	200	4
Fluoranthene	20000		ug/kg	470	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	780	240	4
4-Bromophenyl phenyl ether	ND		ug/kg	780	180	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	940	280	4
Bis(2-chloroethoxy)methane	ND		ug/kg	840	240	4
Hexachlorobutadiene	ND		ug/kg	780	220	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	500	4
Hexachloroethane	ND		ug/kg	620	140	4
Isophorone	ND		ug/kg	700	210	4
Naphthalene	400	J	ug/kg	780	260	4
Nitrobenzene	ND		ug/kg	700	190	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	620	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	780	230	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	780	200	4
Butyl benzyl phthalate	ND		ug/kg	780	150	4
Di-n-butylphthalate	ND		ug/kg	780	150	4
Di-n-octylphthalate	ND		ug/kg	780	190	4
Diethyl phthalate	ND		ug/kg	780	160	4
Dimethyl phthalate	ND		ug/kg	780	200	4
Benzo(a)anthracene	8500		ug/kg	470	150	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04 D Date Collected: 09/12/13 14:30

Client ID: G1_COMP-04D_5-10 Date Received: 09/12/13

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)pyrene	8100		ug/kg	620	190	4
Benzo(b)fluoranthene	9500		ug/kg	470	160	4
Benzo(k)fluoranthene	3100		ug/kg	470	150	4
Chrysene	9600		ug/kg	470	150	4
Acenaphthylene	280	J	ug/kg	620	150	4
Anthracene	4200		ug/kg	470	130	4
Benzo(ghi)perylene	4900		ug/kg	620	160	4
Fluorene	1800		ug/kg	780	220	4
Phenanthrene	17000		ug/kg	470	150	4
Dibenzo(a,h)anthracene	1200		ug/kg	470	150	4
Indeno(1,2,3-cd)Pyrene	5200		ug/kg	620	170	4
Pyrene	20000		ug/kg	470	150	4
Biphenyl	ND		ug/kg	1800	260	4
4-Chloroaniline	ND		ug/kg	780	210	4
2-Nitroaniline	ND		ug/kg	780	220	4
3-Nitroaniline	ND		ug/kg	780	220	4
4-Nitroaniline	ND		ug/kg	780	210	4
Dibenzofuran	840		ug/kg	780	260	4
2-Methylnaphthalene	250	J	ug/kg	940	250	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	780	240	4
Acetophenone	ND		ug/kg	780	240	4
2,4,6-Trichlorophenol	ND		ug/kg	470	150	4
P-Chloro-M-Cresol	ND		ug/kg	780	230	4
2-Chlorophenol	ND		ug/kg	780	240	4
2,4-Dichlorophenol	ND		ug/kg	700	250	4
2,4-Dimethylphenol	ND		ug/kg	780	230	4
2-Nitrophenol	ND		ug/kg	1700	240	4
4-Nitrophenol	ND		ug/kg	1100	250	4
2,4-Dinitrophenol	ND		ug/kg	3800	1100	4
4,6-Dinitro-o-cresol	ND		ug/kg	2000	290	4
Pentachlorophenol	ND		ug/kg	620	170	4
Phenol	ND		ug/kg	780	230	4
2-Methylphenol	ND		ug/kg	780	250	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	260	4
2,4,5-Trichlorophenol	ND		ug/kg	780	250	4
Benzoic Acid	ND		ug/kg	2500	790	4
Benzyl Alcohol	ND		ug/kg	780	240	4
Carbazole	1200		ug/kg	780	170	4
Benzaldehyde	ND		ug/kg	1000	320	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04 D
Client ID: G1_COMP-04D_5-10
Sample Location: BROOKLYN, NY

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	780	220	4
Atrazine	ND		ug/kg	620	180	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	780	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	97		0-136
4-Terphenyl-d14	97		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/18/13 23:18		
Analyst:	PS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	550		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	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	6300		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	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	810		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	330		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	50	J	ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	3100		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-06 Date Collected: 09/12/13 14:30

Client ID: G1_COMP-04S_0-5 Date Received: 09/12/13

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)pyrene	2700		ug/kg	160	48.	1
Benzo(b)fluoranthene	3400		ug/kg	120	40.	1
Benzo(k)fluoranthene	1200		ug/kg	120	37.	1
Chrysene	2900		ug/kg	120	38.	1
Acenaphthylene	110	J	ug/kg	160	37.	1
Anthracene	1800		ug/kg	120	32.	1
Benzo(ghi)perylene	1500		ug/kg	160	41.	1
Fluorene	780		ug/kg	200	56.	1
Phenanthrene	6000		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	440		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	160	43.	1
Pyrene	5000		ug/kg	120	38.	1
Biphenyl	120	J	ug/kg	450	64.	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	650		ug/kg	200	65.	1
2-Methylnaphthalene	410		ug/kg	230	62.	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	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	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	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	540		ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	79.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	81		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	98		0-136
4-Terphenyl-d14	87		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 10:47		
Analyst:	PS		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	700		ug/kg	320	83.	2
1,2,4-Trichlorobenzene	ND		ug/kg	400	130	2
Hexachlorobenzene	ND		ug/kg	240	75.	2
Bis(2-chloroethyl)ether	ND		ug/kg	360	110	2
2-Chloronaphthalene	ND		ug/kg	400	130	2
1,2-Dichlorobenzene	ND		ug/kg	400	130	2
1,3-Dichlorobenzene	ND		ug/kg	400	130	2
1,4-Dichlorobenzene	ND		ug/kg	400	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	400	110	2
2,4-Dinitrotoluene	ND		ug/kg	400	87.	2
2,6-Dinitrotoluene	ND		ug/kg	400	100	2
Fluoranthene	7700		ug/kg	240	74.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	400	120	2
4-Bromophenyl phenyl ether	ND		ug/kg	400	92.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	480	140	2
Bis(2-chloroethoxy)methane	ND		ug/kg	430	120	2
Hexachlorobutadiene	ND		ug/kg	400	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1200	260	2
Hexachloroethane	ND		ug/kg	320	73.	2
Isophorone	ND		ug/kg	360	110	2
Naphthalene	360	J	ug/kg	400	130	2
Nitrobenzene	ND		ug/kg	360	96.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	320	84.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	400	120	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	400	100	2
Butyl benzyl phthalate	ND		ug/kg	400	78.	2
Di-n-butylphthalate	ND		ug/kg	400	78.	2
Di-n-octylphthalate	ND		ug/kg	400	99.	2
Diethyl phthalate	ND		ug/kg	400	85.	2
Dimethyl phthalate	ND		ug/kg	400	100	2
Benzo(a)anthracene	3100		ug/kg	240	79.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-09 D Date Collected: 09/12/13 15:40

Client ID: G1_COMP-03D_5-10 Date Received: 09/12/13

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)pyrene	2700		ug/kg	320	98.	2
Benzo(b)fluoranthene	3400		ug/kg	240	81.	2
Benzo(k)fluoranthene	1300		ug/kg	240	77.	2
Chrysene	3300		ug/kg	240	79.	2
Acenaphthylene	150	J	ug/kg	320	75.	2
Anthracene	2000		ug/kg	240	67.	2
Benzo(ghi)perylene	1600		ug/kg	320	84.	2
Fluorene	880		ug/kg	400	120	2
Phenanthrene	7900		ug/kg	240	78.	2
Dibenzo(a,h)anthracene	440		ug/kg	240	78.	2
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	320	89.	2
Pyrene	6500		ug/kg	240	78.	2
Biphenyl	ND		ug/kg	920	130	2
4-Chloroaniline	ND		ug/kg	400	110	2
2-Nitroaniline	ND		ug/kg	400	110	2
3-Nitroaniline	ND		ug/kg	400	110	2
4-Nitroaniline	ND		ug/kg	400	110	2
Dibenzofuran	630		ug/kg	400	130	2
2-Methylnaphthalene	270	J	ug/kg	480	130	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	400	120	2
Acetophenone	ND		ug/kg	400	120	2
2,4,6-Trichlorophenol	ND		ug/kg	240	76.	2
P-Chloro-M-Cresol	ND		ug/kg	400	120	2
2-Chlorophenol	ND		ug/kg	400	120	2
2,4-Dichlorophenol	ND		ug/kg	360	130	2
2,4-Dimethylphenol	ND		ug/kg	400	120	2
2-Nitrophenol	ND		ug/kg	870	120	2
4-Nitrophenol	ND		ug/kg	560	130	2
2,4-Dinitrophenol	ND		ug/kg	1900	550	2
4,6-Dinitro-o-cresol	ND		ug/kg	1000	150	2
Pentachlorophenol	ND		ug/kg	320	86.	2
Phenol	ND		ug/kg	400	120	2
2-Methylphenol	ND		ug/kg	400	130	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	580	130	2
2,4,5-Trichlorophenol	ND		ug/kg	400	130	2
Benzoic Acid	ND		ug/kg	1300	410	2
Benzyl Alcohol	ND		ug/kg	400	120	2
Carbazole	480		ug/kg	400	86.	2
Benzaldehyde	ND		ug/kg	530	160	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-09 D Date Collected: 09/12/13 15:40

Client ID: G1_COMP-03D_5-10 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	400	110	2
Atrazine	ND		ug/kg	320	91.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	400	68.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	92		0-136
4-Terphenyl-d14	84		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 00:10		
Analyst:	PS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1000		ug/kg	600	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	750	240	4
Hexachlorobenzene	ND		ug/kg	450	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	670	210	4
2-Chloronaphthalene	ND		ug/kg	750	240	4
1,2-Dichlorobenzene	ND		ug/kg	750	250	4
1,3-Dichlorobenzene	ND		ug/kg	750	240	4
1,4-Dichlorobenzene	ND		ug/kg	750	230	4
3,3'-Dichlorobenzidine	ND		ug/kg	750	200	4
2,4-Dinitrotoluene	ND		ug/kg	750	160	4
2,6-Dinitrotoluene	ND		ug/kg	750	190	4
Fluoranthene	10000		ug/kg	450	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	750	230	4
4-Bromophenyl phenyl ether	ND		ug/kg	750	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	900	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	810	230	4
Hexachlorobutadiene	ND		ug/kg	750	210	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	480	4
Hexachloroethane	ND		ug/kg	600	140	4
Isophorone	ND		ug/kg	670	200	4
Naphthalene	810		ug/kg	750	250	4
Nitrobenzene	ND		ug/kg	670	180	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	600	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	750	220	4
Bis(2-Ethylhexyl)phthalate	400	J	ug/kg	750	200	4
Butyl benzyl phthalate	ND		ug/kg	750	150	4
Di-n-butylphthalate	ND		ug/kg	750	140	4
Di-n-octylphthalate	ND		ug/kg	750	180	4
Diethyl phthalate	ND		ug/kg	750	160	4
Dimethyl phthalate	ND		ug/kg	750	190	4
Benzo(a)anthracene	4900		ug/kg	450	150	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-10 D Date Collected: 09/12/13 15:40

Client ID: G1_COMP-03S_0-5 Date Received: 09/12/13

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)pyrene	4100		ug/kg	600	180	4
Benzo(b)fluoranthene	5000		ug/kg	450	150	4
Benzo(k)fluoranthene	2000		ug/kg	450	140	4
Chrysene	4700		ug/kg	450	150	4
Acenaphthylene	140	J	ug/kg	600	140	4
Anthracene	2600		ug/kg	450	120	4
Benzo(ghi)perylene	2200		ug/kg	600	160	4
Fluorene	1100		ug/kg	750	210	4
Phenanthrene	9800		ug/kg	450	150	4
Dibenzo(a,h)anthracene	660		ug/kg	450	140	4
Indeno(1,2,3-cd)Pyrene	2600		ug/kg	600	170	4
Pyrene	8400		ug/kg	450	140	4
Biphenyl	ND		ug/kg	1700	250	4
4-Chloroaniline	ND		ug/kg	750	200	4
2-Nitroaniline	ND		ug/kg	750	210	4
3-Nitroaniline	ND		ug/kg	750	210	4
4-Nitroaniline	ND		ug/kg	750	200	4
Dibenzofuran	730	J	ug/kg	750	250	4
2-Methylnaphthalene	370	J	ug/kg	900	240	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	750	230	4
Acetophenone	ND		ug/kg	750	230	4
2,4,6-Trichlorophenol	ND		ug/kg	450	140	4
P-Chloro-M-Cresol	ND		ug/kg	750	220	4
2-Chlorophenol	ND		ug/kg	750	230	4
2,4-Dichlorophenol	ND		ug/kg	670	240	4
2,4-Dimethylphenol	ND		ug/kg	750	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3600	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	1900	270	4
Pentachlorophenol	ND		ug/kg	600	160	4
Phenol	ND		ug/kg	750	220	4
2-Methylphenol	ND		ug/kg	750	240	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	240	4
2,4,5-Trichlorophenol	ND		ug/kg	750	240	4
Benzoic Acid	ND		ug/kg	2400	760	4
Benzyl Alcohol	ND		ug/kg	750	230	4
Carbazole	760		ug/kg	750	160	4
Benzaldehyde	ND		ug/kg	990	300	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	750	210	4
Atrazine	ND		ug/kg	600	170	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	750	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	64		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636546-1					
Acenaphthene	ND		ug/kg	130	33.
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.
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.
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.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636546-1					
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.
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.
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

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636546-1					
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.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	86		0-136
4-Terphenyl-d14	83		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636546-2 WG636546-3

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Acenaphthene	90		101		31-137	12		50
1,2,4-Trichlorobenzene	72		88		38-107	20		50
Hexachlorobenzene	106		110		40-140	4		50
Bis(2-chloroethyl)ether	66		84		40-140	24		50
2-Chloronaphthalene	89		105		40-140	16		50
1,2-Dichlorobenzene	66		84		40-140	24		50
1,3-Dichlorobenzene	64		84		40-140	27		50
1,4-Dichlorobenzene	64		84		28-104	27		50
3,3'-Dichlorobenzidine	91		81		40-140	12		50
2,4-Dinitrotoluene	**109**	Q	**115**	Q	28-89	5		50
2,6-Dinitrotoluene	108		116		40-140	7		50
Fluoranthene	106		111		40-140	5		50
4-Chlorophenyl phenyl ether	98		106		40-140	8		50
4-Bromophenyl phenyl ether	107		112		40-140	5		50
Bis(2-chloroisopropyl)ether	66		83		40-140	23		50
Bis(2-chloroethoxy)methane	74		91		40-117	21		50
Hexachlorobutadiene	71		87		40-140	20		50
Hexachlorocyclopentadiene	**27**	Q	**39**	Q	40-140	36		50
Hexachloroethane	58		77		40-140	28		50
Isophorone	80		98		40-140	20		50
Naphthalene	73		89		40-140	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636546-2 WG636546-3								
Nitrobenzene	70		87		40-140	22		50
NitrosoDiPhenylAmine(NDPA)/DPA	107		111			4		50
n-Nitrosodi-n-propylamine	73		90		32-121	21		50
Bis(2-Ethylhexyl)phthalate	114		115		40-140	1		50
Butyl benzyl phthalate	109		114		40-140	4		50
Di-n-butylphthalate	106		110		40-140	4		50
Di-n-octylphthalate	122		125		40-140	2		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	98		104		40-140	6		50
Benzo(a)anthracene	105		108		40-140	3		50
Benzo(a)pyrene	110		112		40-140	2		50
Benzo(b)fluoranthene	110		114		40-140	4		50
Benzo(k)fluoranthene	104		107		40-140	3		50
Chrysene	105		109		40-140	4		50
Acenaphthylene	97		111		40-140	13		50
Anthracene	109		112		40-140	3		50
Benzo(ghi)perylene	101		105		40-140	4		50
Fluorene	100		108		40-140	8		50
Phenanthrene	101		105		40-140	4		50
Dibenzo(a,h)anthracene	105		109		40-140	4		50
Indeno(1,2,3-cd)Pyrene	107		111		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636546-2 WG636546-3								
Pyrene	104		111		35-142	7		50
Biphenyl	85		98			14		50
4-Chloroaniline	56		51		40-140	9		50
2-Nitroaniline	115		124		47-134	8		50
3-Nitroaniline	83		78		26-129	6		50
4-Nitroaniline	96		99		41-125	3		50
Dibenzofuran	93		104		40-140	11		50
2-Methylnaphthalene	81		97		40-140	18		50
1,2,4,5-Tetrachlorobenzene	81		96		40-117	17		50
Acetophenone	79		98		14-144	21		50
2,4,6-Trichlorophenol	108		122		30-130	12		50
P-Chloro-M-Cresol	**108**	Q	**119**	Q	26-103	10		50
2-Chlorophenol	74		93		25-102	23		50
2,4-Dichlorophenol	91		108		30-130	17		50
2,4-Dimethylphenol	94		114		30-130	19		50
2-Nitrophenol	80		100		30-130	22		50
4-Nitrophenol	114		**119**	Q	11-114	4		50
2,4-Dinitrophenol	43		49		4-130	13		50
4,6-Dinitro-o-cresol	46		50		10-130	8		50
Pentachlorophenol	97		103		17-109	6		50
Phenol	74		90		26-90	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636546-2 WG636546-3								
2-Methylphenol	83		100		30-130.	19		50
3-Methylphenol/4-Methylphenol	86		102		30-130	17		50
2,4,5-Trichlorophenol	110		123		30-130	11		50
Benzoic Acid	51		58			13		50
Benzyl Alcohol	75		92		40-140	20		50
Carbazole	106		110		54-128	4		50
Benzaldehyde	63		83			27		50
Caprolactam	108		115			6		50
Atrazine	117		114			3		50
2,3,4,6-Tetrachlorophenol	112		118			5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		88		25-120
Phenol-d6	78		92		10-120
Nitrobenzene-d5	71		86		23-120
2-Fluorobiphenyl	85		99		30-120
2,4,6-Tribromophenol	113		114		0-136
4-Terphenyl-d14	92		94		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 19:10		
Analyst:	GT		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	2000	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	94		70-130
4-Bromofluorobenzene	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	D	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/16/13 12:15
Analytical Date:	09/17/13 23:12			
Analyst:	AR			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	653000		ug/kg	70700	6920	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 19:51		
Analyst:	GT		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1800	J	ug/kg	3000	57.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		70-130
4-Bromofluorobenzene	82		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/19/13 02:03		
Analyst:	AR		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	254000		ug/kg	37900	3710	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	101		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 17:08		
Analyst:	GT		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	3000	58.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	101		70-130
4-Bromofluorobenzene	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 21:55		
Analyst:	AR		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	396000		ug/kg	38200	3740	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 20:31		
Analyst:	GT		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1900	J	ug/kg	3000	58.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	101		70-130
4-Bromofluorobenzene	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 22:26		
Analyst:	AR		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	162000		ug/kg	39400	3860	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/17/13 21:12		
Analyst:	GT		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	96		70-130
4-Bromofluorobenzene	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/17/13 23:43		
Analyst:	AR		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1210000		ug/kg	368000	36000	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 16:27
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636621-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		70-130
4-Bromofluorobenzene	87		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636621-1 WG636621-2								
Gasoline Range Organics	115		108		80-120	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	112		111		70-130
4-Bromofluorobenzene	111		112		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 02:36	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	7.02	1	A
Aroclor 1221	ND		ug/kg	35.6	10.7	1	A
Aroclor 1232	ND		ug/kg	35.6	7.55	1	A
Aroclor 1242	ND		ug/kg	35.6	6.75	1	A
Aroclor 1248	ND		ug/kg	35.6	4.30	1	A
Aroclor 1254	ND		ug/kg	35.6	5.60	1	A
Aroclor 1260	ND		ug/kg	35.6	6.17	1	A
Aroclor 1262	ND		ug/kg	35.6	2.63	1	A
Aroclor 1268	ND		ug/kg	35.6	5.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 02:48	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.3	7.57	1	A
Aroclor 1221	ND		ug/kg	38.3	11.6	1	A
Aroclor 1232	ND		ug/kg	38.3	8.14	1	A
Aroclor 1242	ND		ug/kg	38.3	7.27	1	A
Aroclor 1248	ND		ug/kg	38.3	4.64	1	A
Aroclor 1254	ND		ug/kg	38.3	6.04	1	A
Aroclor 1260	12.3	J	ug/kg	38.3	6.65	1	B
Aroclor 1262	ND		ug/kg	38.3	2.83	1	A
Aroclor 1268	ND		ug/kg	38.3	5.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 03:00	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.8	7.67	1	A
Aroclor 1221	ND		ug/kg	38.8	11.7	1	A
Aroclor 1232	ND		ug/kg	38.8	8.25	1	A
Aroclor 1242	ND		ug/kg	38.8	7.37	1	A
Aroclor 1248	ND		ug/kg	38.8	4.70	1	A
Aroclor 1254	ND		ug/kg	38.8	6.12	1	A
Aroclor 1260	9.71	J	ug/kg	38.8	6.74	1	A
Aroclor 1262	ND		ug/kg	38.8	2.87	1	A
Aroclor 1268	ND		ug/kg	38.8	5.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 03:13	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	83%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.1	7.72	1	A
Aroclor 1221	ND		ug/kg	39.1	11.8	1	A
Aroclor 1232	ND		ug/kg	39.1	8.31	1	A
Aroclor 1242	ND		ug/kg	39.1	7.42	1	A
Aroclor 1248	ND		ug/kg	39.1	4.73	1	A
Aroclor 1254	ND		ug/kg	39.1	6.16	1	A
Aroclor 1260	ND		ug/kg	39.1	6.79	1	A
Aroclor 1262	ND		ug/kg	39.1	2.89	1	A
Aroclor 1268	ND		ug/kg	39.1	5.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/20/13 14:33
Analytical Date:	09/21/13 23:12	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/20/13
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	7.40	1	A
Aroclor 1221	ND		ug/kg	37.5	11.3	1	A
Aroclor 1232	ND		ug/kg	37.5	7.96	1	A
Aroclor 1242	ND		ug/kg	37.5	7.11	1	A
Aroclor 1248	ND		ug/kg	37.5	4.53	1	A
Aroclor 1254	ND		ug/kg	37.5	5.91	1	A
Aroclor 1260	ND		ug/kg	37.5	6.50	1	A
Aroclor 1262	ND		ug/kg	37.5	2.77	1	A
Aroclor 1268	ND		ug/kg	37.5	5.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318009

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/20/13 01:47
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 16:56
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,04,06,09 Batch: WG636526-1						
Aroclor 1016	ND		ug/kg	32.6	6.44	A
Aroclor 1221	ND		ug/kg	32.6	9.84	A
Aroclor 1232	ND		ug/kg	32.6	6.93	A
Aroclor 1242	ND		ug/kg	32.6	6.19	A
Aroclor 1248	ND		ug/kg	32.6	3.94	A
Aroclor 1254	ND		ug/kg	32.6	5.14	A
Aroclor 1260	ND		ug/kg	32.6	5.66	A
Aroclor 1262	ND		ug/kg	32.6	2.41	A
Aroclor 1268	ND		ug/kg	32.6	4.73	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318009

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 15:33
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/20/13 14:33
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/20/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 10 Batch: WG637820-1						
Aroclor 1016	ND		ug/kg	32.5	6.41	A
Aroclor 1221	ND		ug/kg	32.5	9.79	A
Aroclor 1232	ND		ug/kg	32.5	6.90	A
Aroclor 1242	ND		ug/kg	32.5	6.16	A
Aroclor 1248	ND		ug/kg	32.5	3.93	A
Aroclor 1254	ND		ug/kg	32.5	5.12	A
Aroclor 1260	ND		ug/kg	32.5	5.64	A
Aroclor 1262	ND		ug/kg	32.5	2.40	A
Aroclor 1268	ND		ug/kg	32.5	4.71	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,04,06,09 Batch: WG636526-2 WG636526-3									
Aroclor 1016	66		75		40-140	13		50	A
Aroclor 1260	58		64		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		74		30-150	A
Decachlorobiphenyl	64		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		78		30-150	B
Decachlorobiphenyl	69		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 10 Batch: WG637820-2 WG637820-3									
Aroclor 1016	62		75		40-140	19		50	A
Aroclor 1260	65		81		40-140	22		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		83		30-150	A
Decachlorobiphenyl	72		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		78		30-150	B
Decachlorobiphenyl	84		105		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 19:14	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	90%		

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	120		30-150	A
DCAA	116		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	D	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5		Date Received:	09/12/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 04:09		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/15/13
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.8	3.29	10	A
Lindane	ND		ug/kg	7.01	3.13	10	A
Alpha-BHC	ND		ug/kg	7.01	1.99	10	A
Beta-BHC	ND		ug/kg	16.8	6.38	10	A
Heptachlor	ND		ug/kg	8.41	3.77	10	A
Aldrin	ND		ug/kg	16.8	5.92	10	A
Heptachlor epoxide	ND		ug/kg	31.5	9.46	10	A
Endrin	ND		ug/kg	7.01	2.87	10	A
Endrin ketone	ND		ug/kg	16.8	4.33	10	A
Dieldrin	ND		ug/kg	10.5	5.26	10	A
4,4'-DDE	ND		ug/kg	16.8	3.89	10	A
4,4'-DDD	ND		ug/kg	16.8	6.00	10	A
4,4'-DDT	ND		ug/kg	31.5	13.5	10	A
Endosulfan I	ND		ug/kg	16.8	3.97	10	A
Endosulfan II	ND		ug/kg	16.8	5.62	10	A
Endosulfan sulfate	ND		ug/kg	7.01	3.20	10	A
Methoxychlor	ND		ug/kg	31.5	9.81	10	A
Toxaphene	ND		ug/kg	315	88.3	10	A
cis-Chlordane	ND		ug/kg	21.0	5.86	10	A
trans-Chlordane	ND		ug/kg	21.0	5.55	10	A
Chlordane	ND		ug/kg	137	55.7	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	126		30-150	A
Decachlorobiphenyl	**297**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 19:34	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	23.9	1	A
2,4,5-T	ND		ug/kg	196	12.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	124		30-150	A
DCAA	113		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04 D	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 04:22	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/15/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.2	3.57	10	A
Lindane	ND		ug/kg	7.59	3.39	10	A
Alpha-BHC	ND		ug/kg	7.59	2.16	10	A
Beta-BHC	ND		ug/kg	18.2	6.91	10	A
Heptachlor	ND		ug/kg	9.11	4.08	10	A
Aldrin	ND		ug/kg	18.2	6.41	10	A
Heptachlor epoxide	ND		ug/kg	34.2	10.2	10	A
Endrin	ND		ug/kg	7.59	3.11	10	A
Endrin ketone	ND		ug/kg	18.2	4.69	10	A
Dieldrin	ND		ug/kg	11.4	5.69	10	A
4,4'-DDE	ND		ug/kg	18.2	4.21	10	A
4,4'-DDD	ND		ug/kg	18.2	6.50	10	A
4,4'-DDT	ND		ug/kg	34.2	14.6	10	A
Endosulfan I	ND		ug/kg	18.2	4.30	10	A
Endosulfan II	ND		ug/kg	18.2	6.09	10	A
Endosulfan sulfate	ND		ug/kg	7.59	3.47	10	A
Methoxychlor	ND		ug/kg	34.2	10.6	10	A
Toxaphene	ND		ug/kg	342	95.6	10	A
cis-Chlordane	ND		ug/kg	22.8	6.35	10	A
trans-Chlordane	ND		ug/kg	22.8	6.01	10	A
Chlordane	ND		ug/kg	148	60.3	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	138		30-150	A
Decachlorobiphenyl	**270**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	121		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 19:54	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	23.8	1	A
2,4,5-T	ND		ug/kg	196	12.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	48		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06 D	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 04:35	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/15/13
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.06	1.77	5	A
Lindane	ND		ug/kg	3.78	1.69	5	A
Alpha-BHC	ND		ug/kg	3.78	1.07	5	A
Beta-BHC	ND		ug/kg	9.06	3.44	5	A
Heptachlor	ND		ug/kg	4.53	2.03	5	A
Aldrin	ND		ug/kg	9.06	3.19	5	A
Heptachlor epoxide	ND		ug/kg	17.0	5.10	5	A
Endrin	ND		ug/kg	3.78	1.55	5	A
Endrin ketone	ND		ug/kg	9.06	2.33	5	A
Dieldrin	ND		ug/kg	5.66	2.83	5	A
4,4'-DDE	ND		ug/kg	9.06	2.10	5	A
4,4'-DDD	ND		ug/kg	9.06	3.23	5	A
4,4'-DDT	ND		ug/kg	17.0	7.29	5	A
Endosulfan I	ND		ug/kg	9.06	2.14	5	A
Endosulfan II	ND		ug/kg	9.06	3.03	5	A
Endosulfan sulfate	ND		ug/kg	3.78	1.72	5	A
Methoxychlor	ND		ug/kg	17.0	5.28	5	A
Toxaphene	ND		ug/kg	170	47.6	5	A
cis-Chlordane	ND		ug/kg	11.3	3.16	5	A
trans-Chlordane	ND		ug/kg	11.3	2.99	5	A
Chlordane	ND		ug/kg	73.6	30.0	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	116		30-150	A
Decachlorobiphenyl	**159**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 20:13	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	23.9	1	A
2,4,5-T	ND		ug/kg	196	12.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	111		30-150	A
DCAA	93		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 04:47	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/15/13
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.38	1.84	5	A
Lindane	ND		ug/kg	3.91	1.75	5	A
Alpha-BHC	ND		ug/kg	3.91	1.11	5	A
Beta-BHC	ND		ug/kg	9.38	3.56	5	A
Heptachlor	ND		ug/kg	4.69	2.10	5	A
Aldrin	ND		ug/kg	9.38	3.30	5	A
Heptachlor epoxide	ND		ug/kg	17.6	5.28	5	A
Endrin	ND		ug/kg	3.91	1.60	5	A
Endrin ketone	ND		ug/kg	9.38	2.42	5	A
Dieldrin	ND		ug/kg	5.86	2.93	5	A
4,4'-DDE	ND		ug/kg	9.38	2.17	5	A
4,4'-DDD	ND		ug/kg	9.38	3.34	5	A
4,4'-DDT	ND		ug/kg	17.6	7.54	5	A
Endosulfan I	ND		ug/kg	9.38	2.22	5	A
Endosulfan II	ND		ug/kg	9.38	3.13	5	A
Endosulfan sulfate	ND		ug/kg	3.91	1.79	5	A
Methoxychlor	ND		ug/kg	17.6	5.47	5	A
Toxaphene	ND		ug/kg	176	49.2	5	A
cis-Chlordane	ND		ug/kg	11.7	3.27	5	A
trans-Chlordane	ND		ug/kg	11.7	3.10	5	A
Chlordane	ND		ug/kg	76.2	31.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	121		30-150	A
Decachlorobiphenyl	117		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/13/13 15:51
Analytical Date:	09/16/13 20:33	Methylation Date:	09/16/13 00:35
Analyst:	SH		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	188	22.8	1	A
2,4,5-T	ND		ug/kg	188	11.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	72		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10 D	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/13/13 17:42
Analytical Date:	09/16/13 05:00	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/15/13
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.6	3.45	10	A
Lindane	ND		ug/kg	7.34	3.28	10	A
Alpha-BHC	ND		ug/kg	7.34	2.08	10	A
Beta-BHC	ND		ug/kg	17.6	6.68	10	A
Heptachlor	ND		ug/kg	8.81	3.95	10	A
Aldrin	ND		ug/kg	17.6	6.20	10	A
Heptachlor epoxide	ND		ug/kg	33.0	9.91	10	A
Endrin	ND		ug/kg	7.34	3.01	10	A
Endrin ketone	ND		ug/kg	17.6	4.54	10	A
Dieldrin	ND		ug/kg	11.0	5.51	10	A
4,4'-DDE	ND		ug/kg	17.6	4.08	10	A
4,4'-DDD	ND		ug/kg	17.6	6.28	10	A
4,4'-DDT	ND		ug/kg	33.0	14.2	10	A
Endosulfan I	ND		ug/kg	17.6	4.16	10	A
Endosulfan II	ND		ug/kg	17.6	5.89	10	A
Endosulfan sulfate	ND		ug/kg	7.34	3.36	10	A
Methoxychlor	ND		ug/kg	33.0	10.3	10	A
Toxaphene	ND		ug/kg	330	92.5	10	A
cis-Chlordane	ND		ug/kg	22.0	6.14	10	A
trans-Chlordane	ND		ug/kg	22.0	5.82	10	A
Chlordane	ND		ug/kg	143	58.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	130		30-150	A
Decachlorobiphenyl	**204**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	135		30-150	B
Decachlorobiphenyl	132		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/16/13 15:35
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/13/13 15:51

Methylation Date: 09/16/13 00:35

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG635979-1						
2,4-D	ND		ug/kg	166	20.2	A
2,4,5-T	ND		ug/kg	166	10.4	A
2,4,5-TP (Silvex)	ND		ug/kg	166	9.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	118		30-150	A
DCAA	94		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/16/13 02:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/13/13 17:42
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/15/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636012-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.638	0.285	A
Alpha-BHC	ND		ug/kg	0.638	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.766	0.343	A
Aldrin	ND		ug/kg	1.53	0.539	A
Heptachlor epoxide	ND		ug/kg	2.87	0.862	A
Endrin	ND		ug/kg	0.638	0.262	A
Endrin ketone	ND		ug/kg	1.53	0.394	A
Dieldrin	ND		ug/kg	0.957	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.546	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.638	0.292	A
Methoxychlor	ND		ug/kg	2.87	0.893	A
Toxaphene	ND		ug/kg	28.7	8.04	A
cis-Chlordane	ND		ug/kg	1.91	0.534	A
trans-Chlordane	ND		ug/kg	1.91	0.505	A
Chlordane	ND		ug/kg	12.4	5.07	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	120		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	132		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG635979-2 WG635979-3									
2,4-D	**155**	Q	130		30-150	18		30	A
2,4,5-T	116		106		30-150	9		30	A
2,4,5-TP (Silvex)	118		109		30-150	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	117		107		30-150	A
DCAA	122		109		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636012-2 WG636012-3									
Delta-BHC	77		70		30-150	10		30	A
Lindane	79		71		30-150	11		30	A
Alpha-BHC	76		68		30-150	11		30	A
Beta-BHC	82		75		30-150	9		30	A
Heptachlor	81		73		30-150	10		30	A
Aldrin	81		74		30-150	9		30	A
Heptachlor epoxide	72		66		30-150	9		30	A
Endrin	87		80		30-150	8		30	A
Endrin ketone	67		61		30-150	9		30	A
Dieldrin	78		71		30-150	9		30	A
4,4'-DDE	75		68		30-150	10		30	A
4,4'-DDD	78		71		30-150	9		30	A
4,4'-DDT	81		74		30-150	9		30	A
Endosulfan I	77		71		30-150	8		30	A
Endosulfan II	67		62		30-150	8		30	A
Endosulfan sulfate	64		59		30-150	8		30	A
Methoxychlor	76		70		30-150	8		30	A
cis-Chlordane	75		72		30-150	4		30	A
trans-Chlordane	76		70		30-150	8		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636012-2 WG636012-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		71		30-150	A
Decachlorobiphenyl	107		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		63		30-150	B
Decachlorobiphenyl	119		106		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Barium, TCLP	0.21	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Lead, TCLP	0.35	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:22	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 15:28	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-02
Client ID: G2_COMP-01_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/12/13 12:45
Date Received: 09/12/13
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	6700		mg/kg	8.4	1.7	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Antimony, Total	1.7	J	mg/kg	4.2	0.67	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Arsenic, Total	39		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Barium, Total	86		mg/kg	0.84	0.25	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Beryllium, Total	0.41	J	mg/kg	0.42	0.08	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Cadmium, Total	0.74	J	mg/kg	0.84	0.06	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Calcium, Total	21000		mg/kg	8.4	2.5	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Chromium, Total	16		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Cobalt, Total	10		mg/kg	1.7	0.42	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Copper, Total	81		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Iron, Total	20000		mg/kg	4.2	1.7	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Lead, Total	140		mg/kg	4.2	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Magnesium, Total	2800		mg/kg	8.4	0.84	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Manganese, Total	180		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Mercury, Total	0.54		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:52	EPA 7471B	1,7471B	MC
Nickel, Total	23		mg/kg	2.1	0.33	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Potassium, Total	990		mg/kg	210	33.	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Selenium, Total	1.4	J	mg/kg	1.7	0.25	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.84	0.17	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Sodium, Total	180		mg/kg	170	25.	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.33	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Vanadium, Total	20		mg/kg	0.84	0.08	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG
Zinc, Total	160		mg/kg	4.2	0.58	2	09/17/13 09:20	09/18/13 09:57	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318009
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04
Client ID: G1_COMP-04D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Barium, TCLP	0.66		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Lead, TCLP	0.43	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:24	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 15:31	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318009
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04
Client ID: G1_COMP-04D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
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	6600		mg/kg	9.2	1.8	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Antimony, Total	2.0	J	mg/kg	4.6	0.74	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Arsenic, Total	14		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Barium, Total	100		mg/kg	0.92	0.28	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Beryllium, Total	0.38	J	mg/kg	0.46	0.09	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Cadmium, Total	0.92		mg/kg	0.92	0.06	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Calcium, Total	14000		mg/kg	9.2	2.8	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Chromium, Total	18		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Cobalt, Total	7.6		mg/kg	1.8	0.46	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Copper, Total	86		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Iron, Total	21000		mg/kg	4.6	1.8	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Lead, Total	220		mg/kg	4.6	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Magnesium, Total	5000		mg/kg	9.2	0.92	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Manganese, Total	280		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Mercury, Total	0.46		mg/kg	0.10	0.02	1	09/18/13 08:30	09/18/13 12:54	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.3	0.37	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Potassium, Total	770		mg/kg	230	37.	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Selenium, Total	0.91	J	mg/kg	1.8	0.28	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.92	0.18	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Sodium, Total	320		mg/kg	180	28.	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.37	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Vanadium, Total	29		mg/kg	0.92	0.09	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG
Zinc, Total	230		mg/kg	4.6	0.64	2	09/17/13 09:20	09/18/13 14:22	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Barium, TCLP	0.53		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Lead, TCLP	0.18	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:26	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:10	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318009
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-06
Client ID: G1_COMP-04S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
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	7400		mg/kg	9.4	1.9	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Antimony, Total	5.8		mg/kg	4.7	0.75	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Arsenic, Total	17		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Barium, Total	210		mg/kg	0.94	0.28	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Beryllium, Total	0.69		mg/kg	0.47	0.09	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Cadmium, Total	1.0		mg/kg	0.94	0.07	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Calcium, Total	34000		mg/kg	9.4	2.8	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Chromium, Total	31		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Cobalt, Total	59		mg/kg	1.9	0.47	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Copper, Total	300		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Iron, Total	24000		mg/kg	4.7	1.9	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Lead, Total	640		mg/kg	4.7	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Magnesium, Total	3700		mg/kg	9.4	0.94	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Manganese, Total	230		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Mercury, Total	0.21		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:56	EPA 7471B	1,7471B	MC
Nickel, Total	22		mg/kg	2.3	0.37	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Potassium, Total	790		mg/kg	230	37.	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Selenium, Total	0.50	J	mg/kg	1.9	0.28	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Sodium, Total	520		mg/kg	190	28.	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.37	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Vanadium, Total	28		mg/kg	0.94	0.09	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG
Zinc, Total	1400		mg/kg	4.7	0.66	2	09/17/13 09:20	09/18/13 14:26	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Barium, TCLP	0.44	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Cadmium, TCLP	0.02	J	mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Lead, TCLP	0.10	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:28	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:14	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318009
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-09
Client ID: G1_COMP-03D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
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	5600		mg/kg	9.4	1.9	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Antimony, Total	2.8	J	mg/kg	4.7	0.75	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Arsenic, Total	34		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Barium, Total	87		mg/kg	0.94	0.28	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Beryllium, Total	0.45	J	mg/kg	0.47	0.09	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Cadmium, Total	2.2		mg/kg	0.94	0.07	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Calcium, Total	20000		mg/kg	9.4	2.8	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Chromium, Total	15		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Cobalt, Total	15		mg/kg	1.9	0.47	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Copper, Total	170		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Iron, Total	42000		mg/kg	4.7	1.9	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Lead, Total	330		mg/kg	4.7	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Magnesium, Total	2400		mg/kg	9.4	0.94	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Manganese, Total	240		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Mercury, Total	1.0		mg/kg	0.09	0.02	1	09/18/13 08:30	09/18/13 12:57	EPA 7471B	1,7471B	MC
Nickel, Total	23		mg/kg	2.4	0.38	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Potassium, Total	630		mg/kg	240	38.	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Selenium, Total	3.4		mg/kg	1.9	0.28	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.94	0.19	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Sodium, Total	480		mg/kg	190	28.	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.38	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Vanadium, Total	18		mg/kg	0.94	0.09	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG
Zinc, Total	240		mg/kg	4.7	0.66	2	09/17/13 09:20	09/18/13 14:29	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Barium, TCLP	0.39	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Lead, TCLP	0.04	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:30	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:18	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-10 Date Collected: 09/12/13 15:40

Client ID: G1_COMP-03S_0-5 Date Received: 09/12/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

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	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Antimony, Total	3.4	J	mg/kg	4.3	0.69	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Arsenic, Total	9.4		mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Barium, Total	180		mg/kg	0.86	0.26	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Beryllium, Total	7.8		mg/kg	0.43	0.09	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Cadmium, Total	1.2		mg/kg	0.86	0.06	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Calcium, Total	110000		mg/kg	43	13.	10	09/17/13 09:20	09/19/13 09:16	EPA 3050B	1,6010C	MG
Chromium, Total	57		mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Cobalt, Total	25		mg/kg	1.7	0.43	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Copper, Total	500		mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Iron, Total	25000		mg/kg	4.3	1.7	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Lead, Total	410		mg/kg	4.3	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Magnesium, Total	7000		mg/kg	8.6	0.86	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Manganese, Total	850		mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Mercury, Total	0.34		mg/kg	0.09	0.02	1	09/18/13 08:30	09/18/13 12:59	EPA 7471B	1,7471B	MC
Nickel, Total	51		mg/kg	2.2	0.34	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Potassium, Total	810		mg/kg	220	34.	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Silver, Total	0.17	J	mg/kg	0.86	0.17	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Sodium, Total	760		mg/kg	170	26.	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Vanadium, Total	24		mg/kg	0.86	0.09	2	09/17/13 09:20	09/18/13 14:51	EPA 3050B	1,6010C	MG
Zinc, Total	2500		mg/kg	22	3.0	10	09/17/13 09:20	09/19/13 09:16	EPA 3050B	1,6010C	MG

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

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): 02,04,06,09-10 Batch: WG636660-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Copper, Total	0.18	J	mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/17/13 09:20	09/18/13 09:39	1,6010C	MG

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): 02,04,06,09-10 Batch: WG636745-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/18/13 08:30	09/18/13 12:17	1,7471B	MC

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG637022-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:04	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG637081-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Lead, TCLP	ND		mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/17/13 15:33

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636660-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	117		-		4-196	-		
Arsenic, Total	100		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	89		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	102		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	95		-		80-120	-		
Magnesium, Total	88		-		74-126	-		
Manganese, Total	102		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	105		-		66-134	-		
Sodium, Total	92		-		74-127	-		
Thallium, Total	101		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636660-2 SRM Lot Number: 0518-10-02					
Zinc, Total	91	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636745-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG637022-2					
Mercury, TCLP	101	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG637081-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	102	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	106	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	98	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

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): 02,04,06,09-10 QC Batch ID: WG636660-4 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5												
Aluminum, Total	6700	173	7200	**289**	Q	-	-		75-125	-		35
Antimony, Total	1.7J	43.2	43	99		-	-		75-125	-		35
Arsenic, Total	39.	10.4	57	**173**	Q	-	-		75-125	-		35
Barium, Total	86.	173	260	100		-	-		75-125	-		35
Beryllium, Total	0.41J	4.32	4.6	106		-	-		75-125	-		35
Cadmium, Total	0.74J	4.41	5.0	113		-	-		75-125	-		35
Calcium, Total	21000	865	12000	**0**	Q	-	-		75-125	-		35
Chromium, Total	16.	17.3	33	98		-	-		75-125	-		35
Cobalt, Total	10.	43.2	53	99		-	-		75-125	-		35
Copper, Total	81.	21.6	140	**273**	Q	-	-		75-125	-		35
Iron, Total	20000	86.5	24000	**4620**	Q	-	-		75-125	-		35
Lead, Total	140	44.1	250	**249**	Q	-	-		75-125	-		35
Magnesium, Total	2800	865	2800	**0**	Q	-	-		75-125	-		35
Manganese, Total	180	43.2	210	**69**	Q	-	-		75-125	-		35
Nickel, Total	23.	43.2	60	86		-	-		75-125	-		35
Potassium, Total	990	865	1800	94		-	-		75-125	-		35
Selenium, Total	1.4J	10.4	12	116		-	-		75-125	-		35
Silver, Total	ND	26	26	100		-	-		75-125	-		35
Sodium, Total	180	865	1000	95		-	-		75-125	-		35
Thallium, Total	ND	10.4	8.7	84		-	-		75-125	-		35
Vanadium, Total	20.	43.2	62	97		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

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): 02,04,06,09-10 QC Batch ID: WG636660-4 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5									
Zinc, Total	160	43.2	210	116	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636745-4 QC Sample: L1317416-03 Client ID: MS Sample									
Mercury, Total	ND	0.2	0.15	75	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG637022-4 QC Sample: L1318003-03 Client ID: MS Sample									
Mercury, TCLP	ND	0.025	0.0246	98	-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG637081-4 QC Sample: L1318237-01 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.2	100	-	-	75-125	-	20
Barium, TCLP	0.46J	20	21	105	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106	-	-	75-125	-	20
Chromium, TCLP	0.03J	2	2.0	100	-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.5	108	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.52	104	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636660-3 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5						
Aluminum, Total	6700	6000	mg/kg	11		35
Antimony, Total	1.7J	1.5J	mg/kg	NC		35
Arsenic, Total	39.	34	mg/kg	14		35
Barium, Total	86.	88	mg/kg	2		35
Beryllium, Total	0.41J	0.44	mg/kg	NC		35
Cadmium, Total	0.74J	0.76J	mg/kg	NC		35
Calcium, Total	21000	13000	mg/kg	**47**	Q	35
Chromium, Total	16.	14	mg/kg	13		35
Cobalt, Total	10.	12	mg/kg	18		35
Copper, Total	81.	78	mg/kg	4		35
Iron, Total	20000	20000	mg/kg	0		35
Lead, Total	140	150	mg/kg	7		35
Magnesium, Total	2800	2200	mg/kg	24		35
Manganese, Total	180	170	mg/kg	6		35
Nickel, Total	23.	22	mg/kg	4		35
Potassium, Total	990	1000	mg/kg	1		35
Selenium, Total	1.4J	1.5J	mg/kg	NC		35
Silver, Total	ND	0.17J	mg/kg	NC		35
Sodium, Total	180	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636660-3 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	20.	17	mg/kg	16	35
Zinc, Total	160	170	mg/kg	6	35
Total Metals - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636745-3 QC Sample: L1317416-03 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG637022-3 QC Sample: L1318003-03 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG637081-3 QC Sample: L1318237-01 Client ID: DUP Sample					
Arsenic, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-02	Date Collected:	09/12/13 12:45
Client ID:	G2_COMP-01_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-04	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-06	Date Collected:	09/12/13 14:30
Client ID:	G1_COMP-04S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-09	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03D_5-10	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318009-10	Date Collected:	09/12/13 15:40
Client ID:	G1_COMP-03S_0-5	Date Received:	09/12/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-01
Client ID: G2_SB-01B_2.5-3
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 12:45
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-02
Client ID: G2_COMP-01_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 12:45
Date Received: 09/12/13
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	16		mg/kg	0.89	0.89	1	-	09/19/13 11:30	107,-	JO
Solids, Total	90.1		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/15/13 12:30	09/16/13 13:27	1,9010C/9012A	JO
pH (H)	8.2		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.42	J	mg/kg	0.89	0.20	1	09/13/13 19:30	09/15/13 20:08	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:39	1,7.3	TL
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	09/18/13 10:00	1,9095A	ST

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-03
Client ID: G1_SB-04A_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-04
Client ID: G1_COMP-04D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
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	0.95	0.95	1	-	09/19/13 11:30	107,-	JO
Solids, Total	84.5		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/15/13 12:30	09/16/13 13:28	1,9010C/9012A	JO
pH (H)	7.9		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.65	J	mg/kg	0.95	0.21	1	09/13/13 19:30	09/15/13 20:09	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:40	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-05
Client ID: G1_SB-04A_2-2.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-06
Client ID: G1_COMP-04S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 14:30
Date Received: 09/12/13
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	0.96	0.96	1	-	09/19/13 11:30	107,-	JO
Solids, Total	83.5		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/15/13 12:30	09/16/13 13:29	1,9010C/9012A	JO
pH (H)	9.4		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.71	J	mg/kg	0.96	0.22	1	09/13/13 19:30	09/15/13 20:10	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:40	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-07
Client ID: G1_SB-03B_4-4.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-08
Client ID: G1_SB-03B_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.3		%	0.100	NA	1	-	09/15/13 16:45	30,2540G	SP

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-09
Client ID: G1_COMP-03D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
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	0.96	0.96	1	-	09/19/13 11:30	107,-	JO
Solids, Total	82.9		%	0.100	NA	1	-	09/17/13 22:28	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.28	1	09/16/13 10:50	09/16/13 15:13	1,9010C/9012A	JO
pH (H)	8.0		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.39	J	mg/kg	0.96	0.22	1	09/13/13 19:30	09/15/13 20:11	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:40	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318009-10
Client ID: G1_COMP-03S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 15:40
Date Received: 09/12/13
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	57		mg/kg	0.91	0.91	1	-	09/19/13 11:30	107,-	JO
Solids, Total	88.2		%	0.100	NA	1	-	09/17/13 22:28	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/16/13 10:50	09/16/13 15:13	1,9010C/9012A	JO
pH (H)	8.4		SU	-	NA	1	-	09/13/13 13:15	1,9045D	ML
Chromium, Hexavalent	0.68	J	mg/kg	0.91	0.20	1	09/13/13 19:30	09/15/13 20:12	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:40	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318009

Project Number: 170229002 **Report Date:** 09/23/13

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): 02,04,06,09-10 Batch: WG636073-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/13/13 19:30	09/15/13 19:53	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 02,04,06 Batch: WG636222-1										
Cyanide, Total	ND		mg/kg	0.86	0.20	1	09/15/13 12:30	09/16/13 13:22	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 09-10 Batch: WG636339-1										
Cyanide, Total	ND		mg/kg	0.85	0.20	1	09/16/13 10:50	09/16/13 15:03	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636827-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:47	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 02,04,06,09-10 Batch: WG636831-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:39	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636007-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636073-2								
Chromium, Hexavalent	98		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 Batch: WG636222-4 WG636222-5								
Cyanide, Total	99		100		80-120	0		35
General Chemistry - Westborough Lab Associated sample(s): 09-10 Batch: WG636339-2 WG636339-3								
Cyanide, Total	98		96		80-120	2		35
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636827-2								
Cyanide, Reactive	37		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 Batch: WG636831-2								
Sulfide, Reactive	83		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318009
Report Date: 09/23/13

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): 02,04,06,09-10 QC Batch ID: WG636073-5 QC Sample: L1318001-02 Client ID: MS Sample												
Chromium, Hexavalent	0.74J	1440	1200	84		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG636222-3 WG636222-2 QC Sample: L1318024-02 Client ID: MS Sample												
Cyanide, Total	ND	14	14	100		13	96		65-135	7		35
General Chemistry - Westborough Lab Associated sample(s): 09-10 QC Batch ID: WG636339-4 WG636339-5 QC Sample: L1318149-02 Client ID: MS Sample												
Cyanide, Total	ND	10	10	99		9.9	98		65-135	1		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318009
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636007-2 QC Sample: L1318009-02 Client ID: G2_COMP-01_0-5						
pH (H)	8.2	8.3	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636073-4 QC Sample: L1318001-02 Client ID: DUP Sample						
Chromium, Hexavalent	0.74J	0.55J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG636230-1 QC Sample: L1318018-31 Client ID: DUP Sample						
Solids, Total	88.3	87.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636827-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,09-10 QC Batch ID: WG636831-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 09-10 QC Batch ID: WG636930-1 QC Sample: L1318009-09 Client ID: G1_COMP-03D_5-10						
Solids, Total	82.9	83.3	%	0		20

Project Name: GREENPOINT LANDING
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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/13/2013 11:48

Cooler Information	Custody Seal
Cooler	
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-01A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-01B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-01C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-01D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-01E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-01F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-01G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-02A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)
L1318009-02B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-02C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-02E	Amber 120ml unpreserved	B	N/A	6	Y	Absent	PAINTF()
L1318009-02X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318009-03A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-03B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-03C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-03D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-03E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-03F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-03G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-04A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)
L1318009-04B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-04C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-04X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318009-05A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-05B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-05C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-05D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-05E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-05F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-05G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-06A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)
L1318009-06B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

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Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-06C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-06X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318009-07A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-07B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-07C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-07D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-07E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-07F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-07G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-08A	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-08B	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-08C	5 gram Encore Sampler	B	N/A	6	Y	Absent	NYTCL-8260HLW(2)
L1318009-08D	Vial MeOH preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-08E	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-08F	Vial Water preserved split	B	N/A	6	Y	Absent	NYTCL-8260HLW(14)
L1318009-08G	Plastic 2oz unpreserved for TS	B	N/A	6	Y	Absent	TS(7)
L1318009-09A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

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Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-09B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-09C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-09X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318009-10A	Vial Large Septa unpreserved	B	N/A	6	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

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Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318009-10B	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-10C	Amber 500ml unpreserved	B	N/A	6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318009-10X	Plastic 250ml HNO3 preserved spl	B	N/A	6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

Container Comments

L1318009-09B

L1318009-10B

L1318009-10C

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

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

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.
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.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318009
Project Number:	170229002	**Report Date:**	09/23/13

Data Qualifiers

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:** L1318009
Project Number: 170229002 **Report Date:** 09/23/13

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.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318009

Client Information

Client: Langan, D.P.C.

Address: 360 W. 31st St, 8th floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

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 #: 20139103

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/20/13 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	6 NYCRR 375 Unrestricted Use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide Category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	Total Metals, Total CN, Hex Chrom, Tri Chrom, TCLP Metals, RCRA 3 Char	TS	SVOC, PCB, Pest, Herb, TPH DRO	TPH GRO	Paint Filter	Sample Specific Comments	Total # Bottles
18009-01	G2SB-1B (2.5-3)	9/12/13	12:45	soil	NB	X	X	X					4
-02	G2_Comp.-01_0-5	9/12/13	12:45	soil	NB		X		X	X	X		4
-03	G1SB-04A (9-9.5)	9/12/13	14:30	soil	NB	X	X	X					4
-04	G1_Comp_04D_5-10	9/12/13	14:30	soil	NB		X		X	X			3
-05	G1SB-04A (2-2.5)	9/12/13	14:30	soil	NB	X	X	X					4
-06	G1_Comp_04S_0-5		14:30		NB		X		X	X			3
-07	G1SB-03B (4-4.5)		15:40		NB	X	X	X					4
-08	G1SB-03B (9-9.5)		15:40		NB	X	X	X					4
-09	G1_Comp-03D_5-10		15:40		NB		X		X	X			3
-10	G1_Comp-03S_0-5		15:40		NB		X		X	X			3

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

Container Type

Preservative

Cooler B

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/12/13 1710	[signature]	9/12/13 1710
[signature]		[signature]	9/13/13 0900

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:	L1318158
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:	09/25/13

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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: L1318158
Report Date: 09/25/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318158-01	G1_SB-05B_8-8.5	BROOKLYN, NY	09/12/13 17:00
L1318158-02	G1_SB-05B_3-3.5	BROOKLYN, NY	09/12/13 17:00
L1318158-03	G1_COMP-05D_5-10	BROOKLYN, NY	09/12/13 17:00
L1318158-04	G1_COMP-05S_0-5	BROOKLYN, NY	09/12/13 17:00
L1318158-05	G1_SB-06A_3-3.5	BROOKLYN, NY	09/13/13 08:55
L1318158-06	G1_SB-06A_7-7.5	BROOKLYN, NY	09/13/13 09:00
L1318158-07	G1_COMP-06S_0-5	BROOKLYN, NY	09/13/13 09:05
L1318158-08	G1_COMP-06D_5-10	BROOKLYN, NY	09/13/13 09:10
L1318158-09	G1_SB-04B_4-4.5	BROOKLYN, NY	09/13/13 10:25
L1318158-10	G1_SB-04A_9-9.5	BROOKLYN, NY	09/13/13 10:30
L1318158-11	G1_COMP-01D_5-10	BROOKLYN, NY	09/13/13 10:50
L1318158-12	G1_COMP-01S_0-5	BROOKLYN, NY	09/13/13 10:45
L1318158-13	G1_DUP_091313_4-4.5	BROOKLYN, NY	09/13/13 11:15
L1318158-14	G1_COMP-DUP_091313_S	BROOKLYN, NY	09/13/13 11:20
L1318158-15	TB03_091313	BROOKLYN, NY	09/13/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318158
Project Number: 170229002 **Report Date:** 09/25/13

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 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.

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

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

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

L1318158-05 was analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.
L1318158-06 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics

L1318158-14 has elevated detection limits due to the dilution required by the sample matrix.

Organochlorine Pesticides

L1318158-03, -04, -07, -08, -11, -12, and -14 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318158-03, -04, -07, -08, -11, -12, and -14 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.
The WG637358-4 MS recoveries, performed on L1318158-03, are outside the acceptance criteria for arsenic (136%) and thallium (69%). A post digestion spike was performed with acceptable recoveries for arsenic (98%) and thallium (80%).
The WG637358-4 MS recoveries for aluminum (818%), calcium (436%), copper (392%), iron (0%), lead (1820%), magnesium (185%), manganese (0%), and zinc (0%), performed on L1318158-03, do not apply because the sample concentrations are greater than four times the spike amount added.
The WG637778-4 MS recovery, performed on L1318158-03, is below the acceptance criteria for mercury

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

Case Narrative (continued)

(26%). A post digestion spike was performed with an acceptable recovery of 102%.

The WG637358-3 Laboratory Duplicate RPDs, performed on L1318158-03, are outside the acceptance criteria for arsenic (50%), beryllium (53%), cadmium (37%), chromium (61%), copper (58%), lead (49%), sodium (50%), and zinc (67%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

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: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/25/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-01	Date Collected:	09/12/13 17:00
Client ID:	G1_SB-05B_8-8.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/24/13 11:41		
Analyst:	BN		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.6	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.23	1
Chloroform	ND		ug/kg	2.0	0.49	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.6	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.40	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.40	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.46	1
Trichlorofluoromethane	ND		ug/kg	6.6	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.17	1
1,1-Dichloropropene	ND		ug/kg	6.6	0.60	1
Bromoform	ND		ug/kg	5.3	0.55	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.6	1.0	1
Bromomethane	ND		ug/kg	2.6	0.44	1
Vinyl chloride	ND		ug/kg	2.6	0.18	1
Chloroethane	ND		ug/kg	2.6	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.6	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.6	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	6.6	0.32	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-01 Date Collected: 09/12/13 17:00

Client ID: G1_SB-05B_8-8.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.6	0.14	1
p/m-Xylene	ND		ug/kg	2.6	0.42	1
o-Xylene	ND		ug/kg	2.6	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Dibromomethane	ND		ug/kg	13	0.22	1
Styrene	ND		ug/kg	2.6	0.41	1
Dichlorodifluoromethane	ND		ug/kg	13	0.29	1
Acetone	7.8	J	ug/kg	13	4.1	1
Carbon disulfide	ND		ug/kg	13	2.6	1
2-Butanone	ND		ug/kg	13	0.47	1
Vinyl acetate	ND		ug/kg	13	0.63	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.30	1
2-Hexanone	ND		ug/kg	13	0.25	1
Bromochloromethane	ND		ug/kg	6.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	6.6	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.3	0.23	1
1,3-Dichloropropane	ND		ug/kg	6.6	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.42	1
Bromobenzene	ND		ug/kg	6.6	0.27	1
n-Butylbenzene	ND		ug/kg	1.3	0.26	1
sec-Butylbenzene	ND		ug/kg	1.3	0.27	1
tert-Butylbenzene	ND		ug/kg	6.6	0.74	1
o-Chlorotoluene	ND		ug/kg	6.6	0.21	1
p-Chlorotoluene	ND		ug/kg	6.6	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.6	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.6	0.56	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.25	1
Naphthalene	ND		ug/kg	6.6	1.0	1
Acrylonitrile	ND		ug/kg	13	0.31	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.6	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.6	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.6	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.6	0.75	1
Methyl Acetate	ND		ug/kg	26	1.0	1
Cyclohexane	ND		ug/kg	26	1.4	1
1,4-Dioxane	ND		ug/kg	130	23.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-01	Date Collected:	09/12/13 17:00
Client ID:	G1_SB-05B_8-8.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	26	0.36	1
p-Diethylbenzene	ND		ug/kg	5.3	0.21	1
p-Ethyltoluene	ND		ug/kg	5.3	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.3	0.17	1
Ethyl ether	ND		ug/kg	6.6	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	0.59	1
Methyl cyclohexane	ND		ug/kg	5.3	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-02	Date Collected:	09/12/13 17:00
Client ID:	G1_SB-05B_3-3.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 13:05		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	920	180	1
1,1-Dichloroethane	ND		ug/kg	140	16.	1
Chloroform	ND		ug/kg	140	34.	1
Carbon tetrachloride	ND		ug/kg	92	19.	1
1,2-Dichloropropane	ND		ug/kg	320	21.	1
Dibromochloromethane	ND		ug/kg	92	28.	1
1,1,2-Trichloroethane	ND		ug/kg	140	28.	1
Tetrachloroethene	ND		ug/kg	92	13.	1
Chlorobenzene	ND		ug/kg	92	32.	1
Trichlorofluoromethane	ND		ug/kg	460	11.	1
1,2-Dichloroethane	ND		ug/kg	92	13.	1
1,1,1-Trichloroethane	ND		ug/kg	92	10.	1
Bromodichloromethane	ND		ug/kg	92	21.	1
trans-1,3-Dichloropropene	ND		ug/kg	92	11.	1
cis-1,3-Dichloropropene	ND		ug/kg	92	12.	1
1,1-Dichloropropene	ND		ug/kg	460	42.	1
Bromoform	ND		ug/kg	370	38.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	92	16.	1
Benzene	210		ug/kg	92	11.	1
Toluene	430		ug/kg	140	10.	1
Ethylbenzene	90	J	ug/kg	92	14.	1
Chloromethane	ND		ug/kg	460	72.	1
Bromomethane	ND		ug/kg	180	31.	1
Vinyl chloride	ND		ug/kg	180	13.	1
Chloroethane	ND		ug/kg	180	29.	1
1,1-Dichloroethene	ND		ug/kg	92	19.	1
trans-1,2-Dichloroethene	ND		ug/kg	140	19.	1
Trichloroethene	ND		ug/kg	92	14.	1
1,2-Dichlorobenzene	ND		ug/kg	460	17.	1
1,3-Dichlorobenzene	ND		ug/kg	460	17.	1
1,4-Dichlorobenzene	ND		ug/kg	460	22.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-02 Date Collected: 09/12/13 17:00

Client ID: G1_SB-05B_3-3.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	180	9.6	1
p/m-Xylene	410		ug/kg	180	30.	1
o-Xylene	180		ug/kg	180	25.	1
cis-1,2-Dichloroethene	ND		ug/kg	92	14.	1
Dibromomethane	ND		ug/kg	920	15.	1
Styrene	ND		ug/kg	180	28.	1
Dichlorodifluoromethane	ND		ug/kg	920	20.	1
Acetone	ND		ug/kg	920	280	1
Carbon disulfide	ND		ug/kg	920	180	1
2-Butanone	ND		ug/kg	920	33.	1
Vinyl acetate	ND		ug/kg	920	44.	1
4-Methyl-2-pentanone	ND		ug/kg	920	22.	1
1,2,3-Trichloropropane	ND		ug/kg	920	21.	1
2-Hexanone	ND		ug/kg	920	17.	1
Bromochloromethane	ND		ug/kg	460	18.	1
2,2-Dichloropropane	ND		ug/kg	460	21.	1
1,2-Dibromoethane	ND		ug/kg	370	16.	1
1,3-Dichloropropane	ND		ug/kg	460	16.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	92	29.	1
Bromobenzene	ND		ug/kg	460	19.	1
n-Butylbenzene	ND		ug/kg	92	18.	1
sec-Butylbenzene	ND		ug/kg	92	19.	1
tert-Butylbenzene	ND		ug/kg	460	52.	1
o-Chlorotoluene	ND		ug/kg	460	15.	1
p-Chlorotoluene	ND		ug/kg	460	14.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	460	73.	1
Hexachlorobutadiene	ND		ug/kg	460	39.	1
Isopropylbenzene	27	J	ug/kg	92	15.	1
p-Isopropyltoluene	23	J	ug/kg	92	18.	1
Naphthalene	330	J	ug/kg	460	71.	1
Acrylonitrile	ND		ug/kg	920	22.	1
n-Propylbenzene	32	J	ug/kg	92	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	460	15.	1
1,2,4-Trichlorobenzene	ND		ug/kg	460	73.	1
1,3,5-Trimethylbenzene	160	J	ug/kg	460	13.	1
1,2,4-Trimethylbenzene	240	J	ug/kg	460	53.	1
Methyl Acetate	300	J	ug/kg	1800	70.	1
Cyclohexane	350	J	ug/kg	1800	99.	1
1,4-Dioxane	ND		ug/kg	9200	1600	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-02	Date Collected:	09/12/13 17:00
Client ID:	G1_SB-05B_3-3.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1800	25.	1
p-Diethylbenzene	ND		ug/kg	370	15.	1
p-Ethyltoluene	140	J	ug/kg	370	11.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	370	12.	1
Ethyl ether	ND		ug/kg	460	24.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	460	41.	1
Methyl cyclohexane	1200		ug/kg	370	120	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-05	Date Collected:	09/13/13 08:55
Client ID:	G1_SB-06A_3-3.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 19:59		
Analyst:	PP		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.2	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.29	1
Chloroform	ND		ug/kg	2.4	0.60	1
Carbon tetrachloride	ND		ug/kg	1.6	0.34	1
1,2-Dichloropropane	ND		ug/kg	5.7	0.37	1
Dibromochloromethane	ND		ug/kg	1.6	0.50	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.49	1
Tetrachloroethene	ND		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.56	1
Trichlorofluoromethane	ND		ug/kg	8.1	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.37	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.21	1
1,1-Dichloropropene	ND		ug/kg	8.1	0.74	1
Bromoform	ND		ug/kg	6.5	0.67	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.28	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	0.65	J	ug/kg	2.4	0.18	1
Ethylbenzene	1.1	J	ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.1	1.3	1
Bromomethane	ND		ug/kg	3.2	0.55	1
Vinyl chloride	ND		ug/kg	3.2	0.23	1
Chloroethane	ND		ug/kg	3.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.34	1
Trichloroethene	ND		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.1	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.1	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.1	0.39	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-05 Date Collected: 09/13/13 08:55

Client ID: G1_SB-06A_3-3.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.2	0.17	1
p/m-Xylene	4.2		ug/kg	3.2	0.52	1
o-Xylene	3.4		ug/kg	3.2	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.24	1
Dibromomethane	ND		ug/kg	16	0.26	1
Styrene	1.3	J	ug/kg	3.2	0.50	1
Dichlorodifluoromethane	ND		ug/kg	16	0.35	1
Acetone	32		ug/kg	16	5.0	1
Carbon disulfide	ND		ug/kg	16	3.2	1
2-Butanone	ND		ug/kg	16	0.58	1
Vinyl acetate	ND		ug/kg	16	0.78	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.40	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.36	1
2-Hexanone	ND		ug/kg	16	0.30	1
Bromochloromethane	ND		ug/kg	8.1	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.1	0.37	1
1,2-Dibromoethane	ND		ug/kg	6.5	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.1	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.52	1
Bromobenzene	ND		ug/kg	8.1	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.32	1
sec-Butylbenzene	ND		ug/kg	1.6	0.33	1
tert-Butylbenzene	ND		ug/kg	8.1	0.91	1
o-Chlorotoluene	ND		ug/kg	8.1	0.26	1
p-Chlorotoluene	ND		ug/kg	8.1	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.1	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.1	0.68	1
Isopropylbenzene	0.59	J	ug/kg	1.6	0.27	1
p-Isopropyltoluene	28		ug/kg	1.6	0.31	1
Naphthalene	6600	E	ug/kg	8.1	1.2	1
Acrylonitrile	ND		ug/kg	16	0.38	1
n-Propylbenzene	ND		ug/kg	1.6	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.1	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.1	1.3	1
1,3,5-Trimethylbenzene	8.2		ug/kg	8.1	0.23	1
1,2,4-Trimethylbenzene	17		ug/kg	8.1	0.93	1
Methyl Acetate	ND		ug/kg	32	1.2	1
Cyclohexane	ND		ug/kg	32	1.7	1
1,4-Dioxane	ND		ug/kg	160	28.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-05	Date Collected:	09/13/13 08:55
Client ID:	G1_SB-06A_3-3.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	32	0.44	1
p-Diethylbenzene	11		ug/kg	6.5	0.26	1
p-Ethyltoluene	7.2		ug/kg	6.5	0.19	1
1,2,4,5-Tetramethylbenzene	3.5	J	ug/kg	6.5	0.21	1
Ethyl ether	ND		ug/kg	8.1	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.1	0.73	1
Methyl cyclohexane	ND		ug/kg	6.5	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-05	D	Date Collected:	09/13/13 08:55
Client ID:	G1_SB-06A_3-3.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	09/23/13 14:57			
Analyst:	BN			
Percent Solids:	79%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	3800	J	ug/kg	5600	1100	5
1,1-Dichloroethane	ND		ug/kg	840	100	5
Chloroform	ND		ug/kg	840	210	5
Carbon tetrachloride	ND		ug/kg	560	120	5
1,2-Dichloropropane	ND		ug/kg	2000	130	5
Dibromochloromethane	ND		ug/kg	560	170	5
1,1,2-Trichloroethane	ND		ug/kg	840	170	5
Tetrachloroethene	ND		ug/kg	560	79.	5
Chlorobenzene	ND		ug/kg	560	190	5
Trichlorofluoromethane	ND		ug/kg	2800	68.	5
1,2-Dichloroethane	ND		ug/kg	560	82.	5
1,1,1-Trichloroethane	ND		ug/kg	560	62.	5
Bromodichloromethane	ND		ug/kg	560	130	5
trans-1,3-Dichloropropene	ND		ug/kg	560	68.	5
cis-1,3-Dichloropropene	ND		ug/kg	560	71.	5
1,1-Dichloropropene	ND		ug/kg	2800	260	5
Bromoform	ND		ug/kg	2200	230	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	560	96.	5
Benzene	ND		ug/kg	560	66.	5
Toluene	180	J	ug/kg	840	63.	5
Ethylbenzene	ND		ug/kg	560	83.	5
Chloromethane	ND		ug/kg	2800	440	5
Bromomethane	ND		ug/kg	1100	190	5
Vinyl chloride	ND		ug/kg	1100	79.	5
Chloroethane	ND		ug/kg	1100	180	5
1,1-Dichloroethene	ND		ug/kg	560	120	5
trans-1,2-Dichloroethene	ND		ug/kg	840	120	5
Trichloroethene	ND		ug/kg	560	85.	5
1,2-Dichlorobenzene	ND		ug/kg	2800	100	5
1,3-Dichlorobenzene	ND		ug/kg	2800	100	5
1,4-Dichlorobenzene	ND		ug/kg	2800	140	5

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-05 D Date Collected: 09/13/13 08:55

Client ID: G1_SB-06A_3-3.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1100	58.	5
p/m-Xylene	210	J	ug/kg	1100	180	5
o-Xylene	ND		ug/kg	1100	150	5
cis-1,2-Dichloroethene	ND		ug/kg	560	84.	5
Dibromomethane	ND		ug/kg	5600	92.	5
Styrene	ND		ug/kg	1100	170	5
Dichlorodifluoromethane	ND		ug/kg	5600	120	5
Acetone	ND		ug/kg	5600	1700	5
Carbon disulfide	ND		ug/kg	5600	1100	5
2-Butanone	ND		ug/kg	5600	200	5
Vinyl acetate	ND		ug/kg	5600	270	5
4-Methyl-2-pentanone	ND		ug/kg	5600	140	5
1,2,3-Trichloropropane	ND		ug/kg	5600	130	5
2-Hexanone	ND		ug/kg	5600	100	5
Bromochloromethane	ND		ug/kg	2800	110	5
2,2-Dichloropropane	ND		ug/kg	2800	130	5
1,2-Dibromoethane	ND		ug/kg	2200	100	5
1,3-Dichloropropane	ND		ug/kg	2800	97.	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	560	180	5
Bromobenzene	ND		ug/kg	2800	120	5
n-Butylbenzene	ND		ug/kg	560	110	5
sec-Butylbenzene	ND		ug/kg	560	120	5
tert-Butylbenzene	ND		ug/kg	2800	310	5
o-Chlorotoluene	ND		ug/kg	2800	90.	5
p-Chlorotoluene	ND		ug/kg	2800	86.	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	2800	440	5
Hexachlorobutadiene	ND		ug/kg	2800	240	5
Isopropylbenzene	ND		ug/kg	560	94.	5
p-Isopropyltoluene	160	J	ug/kg	560	110	5
Naphthalene	100000		ug/kg	2800	430	5
Acrylonitrile	ND		ug/kg	5600	130	5
n-Propylbenzene	ND		ug/kg	560	70.	5
1,2,3-Trichlorobenzene	ND		ug/kg	2800	94.	5
1,2,4-Trichlorobenzene	ND		ug/kg	2800	440	5
1,3,5-Trimethylbenzene	ND		ug/kg	2800	80.	5
1,2,4-Trimethylbenzene	ND		ug/kg	2800	320	5
Methyl Acetate	ND		ug/kg	11000	430	5
Cyclohexane	ND		ug/kg	11000	600	5
1,4-Dioxane	ND		ug/kg	56000	9800	5

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-05 D
Client ID: G1_SB-06A_3-3.5
Sample Location: BROOKLYN, NY

Date Collected: 09/13/13 08:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Freon-113	ND		ug/kg	11000	150	5
p-Diethylbenzene	ND		ug/kg	2200	90.	5
p-Ethyltoluene	120	J	ug/kg	2200	66.	5
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2200	73.	5
Ethyl ether	ND		ug/kg	2800	150	5
trans-1,4-Dichloro-2-butene	ND		ug/kg	2800	250	5
Methyl cyclohexane	ND		ug/kg	2200	710	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-06	D	Date Collected:	09/13/13 09:00
Client ID:	G1_SB-06A_7-7.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	09/23/13 13:33			
Analyst:	BN			
Percent Solids:	64%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	28000	5600	25
1,1-Dichloroethane	ND		ug/kg	4200	500	25
Chloroform	ND		ug/kg	4200	1000	25
Carbon tetrachloride	ND		ug/kg	2800	590	25
1,2-Dichloropropane	ND		ug/kg	9900	640	25
Dibromochloromethane	ND		ug/kg	2800	870	25
1,1,2-Trichloroethane	ND		ug/kg	4200	860	25
Tetrachloroethene	ND		ug/kg	2800	400	25
Chlorobenzene	ND		ug/kg	2800	980	25
Trichlorofluoromethane	ND		ug/kg	14000	340	25
1,2-Dichloroethane	ND		ug/kg	2800	410	25
1,1,1-Trichloroethane	ND		ug/kg	2800	310	25
Bromodichloromethane	ND		ug/kg	2800	650	25
trans-1,3-Dichloropropene	ND		ug/kg	2800	340	25
cis-1,3-Dichloropropene	ND		ug/kg	2800	360	25
1,1-Dichloropropene	ND		ug/kg	14000	1300	25
Bromoform	ND		ug/kg	11000	1200	25
1,1,2,2-Tetrachloroethane	ND		ug/kg	2800	480	25
Benzene	ND		ug/kg	2800	330	25
Toluene	770	J	ug/kg	4200	320	25
Ethylbenzene	ND		ug/kg	2800	420	25
Chloromethane	ND		ug/kg	14000	2200	25
Bromomethane	ND		ug/kg	5600	960	25
Vinyl chloride	ND		ug/kg	5600	400	25
Chloroethane	ND		ug/kg	5600	890	25
1,1-Dichloroethene	ND		ug/kg	2800	580	25
trans-1,2-Dichloroethene	ND		ug/kg	4200	600	25
Trichloroethene	ND		ug/kg	2800	430	25
1,2-Dichlorobenzene	ND		ug/kg	14000	520	25
1,3-Dichlorobenzene	ND		ug/kg	14000	520	25
1,4-Dichlorobenzene	ND		ug/kg	14000	680	25

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-06 D Date Collected: 09/13/13 09:00

Client ID: G1_SB-06A_7-7.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5600	290	25
p/m-Xylene	ND		ug/kg	5600	910	25
o-Xylene	ND		ug/kg	5600	760	25
cis-1,2-Dichloroethene	ND		ug/kg	2800	420	25
Dibromomethane	ND		ug/kg	28000	460	25
Styrene	ND		ug/kg	5600	870	25
Dichlorodifluoromethane	ND		ug/kg	28000	620	25
Acetone	ND		ug/kg	28000	8800	25
Carbon disulfide	ND		ug/kg	28000	5600	25
2-Butanone	ND		ug/kg	28000	1000	25
Vinyl acetate	ND		ug/kg	28000	1400	25
4-Methyl-2-pentanone	ND		ug/kg	28000	690	25
1,2,3-Trichloropropane	ND		ug/kg	28000	640	25
2-Hexanone	ND		ug/kg	28000	530	25
Bromochloromethane	ND		ug/kg	14000	560	25
2,2-Dichloropropane	ND		ug/kg	14000	640	25
1,2-Dibromoethane	ND		ug/kg	11000	500	25
1,3-Dichloropropane	ND		ug/kg	14000	490	25
1,1,1,2-Tetrachloroethane	ND		ug/kg	2800	900	25
Bromobenzene	ND		ug/kg	14000	590	25
n-Butylbenzene	ND		ug/kg	2800	560	25
sec-Butylbenzene	ND		ug/kg	2800	580	25
tert-Butylbenzene	ND		ug/kg	14000	1600	25
o-Chlorotoluene	ND		ug/kg	14000	450	25
p-Chlorotoluene	ND		ug/kg	14000	430	25
1,2-Dibromo-3-chloropropane	ND		ug/kg	14000	2200	25
Hexachlorobutadiene	ND		ug/kg	14000	1200	25
Isopropylbenzene	ND		ug/kg	2800	470	25
p-Isopropyltoluene	73000		ug/kg	2800	540	25
Naphthalene	ND		ug/kg	14000	2200	25
Acrylonitrile	ND		ug/kg	28000	670	25
n-Propylbenzene	ND		ug/kg	2800	360	25
1,2,3-Trichlorobenzene	ND		ug/kg	14000	470	25
1,2,4-Trichlorobenzene	ND		ug/kg	14000	2200	25
1,3,5-Trimethylbenzene	ND		ug/kg	14000	400	25
1,2,4-Trimethylbenzene	ND		ug/kg	14000	1600	25
Methyl Acetate	ND		ug/kg	56000	2200	25
Cyclohexane	ND		ug/kg	56000	3000	25
1,4-Dioxane	ND		ug/kg	280000	49000	25

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-06	D	Date Collected:	09/13/13 09:00
Client ID:	G1_SB-06A_7-7.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	56000	770	25
p-Diethylbenzene	ND		ug/kg	11000	450	25
p-Ethyltoluene	ND		ug/kg	11000	330	25
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11000	370	25
Ethyl ether	ND		ug/kg	14000	750	25
trans-1,4-Dichloro-2-butene	ND		ug/kg	14000	1300	25
Methyl cyclohexane	ND		ug/kg	11000	3600	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-09	Date Collected:	09/13/13 10:25
Client ID:	G1_SB-04B_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/24/13 12:10		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.18	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.47	1
Bromoform	ND		ug/kg	4.2	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.18	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.2	0.81	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.25	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-09 Date Collected: 09/13/13 10:25

Client ID: G1_SB-04B_4-4.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.33	1
o-Xylene	ND		ug/kg	2.1	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.16	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.23	1
Acetone	ND		ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.1	1
2-Butanone	ND		ug/kg	10	0.37	1
Vinyl acetate	ND		ug/kg	10	0.50	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.20	1
Bromochloromethane	ND		ug/kg	5.2	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.2	0.58	1
o-Chlorotoluene	ND		ug/kg	5.2	0.16	1
p-Chlorotoluene	ND		ug/kg	5.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.82	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.44	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.2	0.80	1
Acrylonitrile	ND		ug/kg	10	0.25	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.82	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.59	1
Methyl Acetate	ND		ug/kg	21	0.79	1
Cyclohexane	ND		ug/kg	21	1.1	1
1,4-Dioxane	ND		ug/kg	100	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-09	Date Collected:	09/13/13 10:25
Client ID:	G1_SB-04B_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	21	0.28	1
p-Diethylbenzene	ND		ug/kg	4.2	0.16	1
p-Ethyltoluene	ND		ug/kg	4.2	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.46	1
Methyl cyclohexane	ND		ug/kg	4.2	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-10	Date Collected:	09/13/13 10:30
Client ID:	G1_SB-04A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 11:50		
Analyst:	BN		
Percent Solids:	67%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	3.3	1
1,1-Dichloroethane	ND		ug/kg	2.5	0.29	1
Chloroform	ND		ug/kg	2.5	0.61	1
Carbon tetrachloride	ND		ug/kg	1.6	0.35	1
1,2-Dichloropropane	ND		ug/kg	5.8	0.38	1
Dibromochloromethane	ND		ug/kg	1.6	0.51	1
1,1,2-Trichloroethane	ND		ug/kg	2.5	0.50	1
Tetrachloroethene	ND		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.57	1
Trichlorofluoromethane	ND		ug/kg	8.2	0.20	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.38	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.21	1
1,1-Dichloropropene	ND		ug/kg	8.2	0.75	1
Bromoform	ND		ug/kg	6.6	0.68	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.28	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.5	0.18	1
Ethylbenzene	ND		ug/kg	1.6	0.24	1
Chloromethane	ND		ug/kg	8.2	1.3	1
Bromomethane	ND		ug/kg	3.3	0.56	1
Vinyl chloride	ND		ug/kg	3.3	0.23	1
Chloroethane	ND		ug/kg	3.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.35	1
Trichloroethene	1.6		ug/kg	1.6	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,3-Dichlorobenzene	ND		ug/kg	8.2	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	8.2	0.40	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-10 Date Collected: 09/13/13 10:30

Client ID: G1_SB-04A_9-9.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.3	0.17	1
p/m-Xylene	ND		ug/kg	3.3	0.53	1
o-Xylene	ND		ug/kg	3.3	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.25	1
Dibromomethane	ND		ug/kg	16	0.27	1
Styrene	ND		ug/kg	3.3	0.51	1
Dichlorodifluoromethane	ND		ug/kg	16	0.36	1
Acetone	12	J	ug/kg	16	5.1	1
Carbon disulfide	ND		ug/kg	16	3.3	1
2-Butanone	ND		ug/kg	16	0.58	1
Vinyl acetate	ND		ug/kg	16	0.79	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.40	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.37	1
2-Hexanone	ND		ug/kg	16	0.31	1
Bromochloromethane	ND		ug/kg	8.2	0.32	1
2,2-Dichloropropane	ND		ug/kg	8.2	0.37	1
1,2-Dibromoethane	ND		ug/kg	6.6	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.2	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.52	1
Bromobenzene	ND		ug/kg	8.2	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.32	1
sec-Butylbenzene	ND		ug/kg	1.6	0.34	1
tert-Butylbenzene	ND		ug/kg	8.2	0.92	1
o-Chlorotoluene	ND		ug/kg	8.2	0.26	1
p-Chlorotoluene	ND		ug/kg	8.2	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.2	1.3	1
Hexachlorobutadiene	ND		ug/kg	8.2	0.70	1
Isopropylbenzene	ND		ug/kg	1.6	0.28	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.32	1
Naphthalene	ND		ug/kg	8.2	1.3	1
Acrylonitrile	ND		ug/kg	16	0.39	1
n-Propylbenzene	ND		ug/kg	1.6	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.2	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.2	1.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.2	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.2	0.94	1
Methyl Acetate	ND		ug/kg	33	1.2	1
Cyclohexane	ND		ug/kg	33	1.8	1
1,4-Dioxane	ND		ug/kg	160	29.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-10	Date Collected:	09/13/13 10:30
Client ID:	G1_SB-04A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	33	0.45	1
p-Diethylbenzene	ND		ug/kg	6.6	0.26	1
p-Ethyltoluene	ND		ug/kg	6.6	0.19	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.6	0.21	1
Ethyl ether	ND		ug/kg	8.2	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.2	0.74	1
Methyl cyclohexane	ND		ug/kg	6.6	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-13	Date Collected:	09/13/13 11:15
Client ID:	G1_DUP_091313_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 12:33		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.34	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.0	0.45	1
Bromoform	ND		ug/kg	4.0	0.41	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.0	0.78	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-13 Date Collected: 09/13/13 11:15

Client ID: G1_DUP_091313_4-4.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.32	1
o-Xylene	ND		ug/kg	2.0	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.16	1
Styrene	ND		ug/kg	2.0	0.31	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	ND		ug/kg	10	3.1	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	ND		ug/kg	10	0.35	1
Vinyl acetate	ND		ug/kg	10	0.48	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.22	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.0	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.20	1
tert-Butylbenzene	ND		ug/kg	5.0	0.56	1
o-Chlorotoluene	ND		ug/kg	5.0	0.16	1
p-Chlorotoluene	ND		ug/kg	5.0	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.42	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.19	1
Naphthalene	ND		ug/kg	5.0	0.77	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57	1
Methyl Acetate	ND		ug/kg	20	0.76	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	17.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-13	Date Collected:	09/13/13 11:15
Client ID:	G1_DUP_091313_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.27	1
p-Diethylbenzene	ND		ug/kg	4.0	0.16	1
p-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	5.0	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.44	1
Methyl cyclohexane	ND		ug/kg	4.0	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-15	Date Collected:	09/13/13 00:00
Client ID:	TB03_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/24/13 11:37		
Analyst:	PD		

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	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-15 Date Collected: 09/13/13 00:00

Client ID: TB03_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	3.8	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	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	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-15	Date Collected:	09/13/13 00:00
Client ID:	TB03_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 14:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638138-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.29	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 14:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638138-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 14:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG638138-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	0.36	J	ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10,13 Batch: WG638262-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10,13 Batch: WG638262-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10,13 Batch: WG638262-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,05-06 Batch: WG638370-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
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	15.
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	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,05-06 Batch: WG638370-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:50
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,05-06 Batch: WG638370-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
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	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 10:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG638603-3					
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	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 10:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG638603-3					
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	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
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
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

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 10:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG638603-3					
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	0.24
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	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,09 Batch: WG638612-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,09 Batch: WG638612-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,09 Batch: WG638612-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638138-1 WG638138-2								
Methylene chloride	76		73		70-130	4		30
1,1-Dichloroethane	85		84		70-130	1		30
Chloroform	84		86		70-130	2		30
Carbon tetrachloride	88		87		70-130	1		30
1,2-Dichloropropane	84		82		70-130	2		30
Dibromochloromethane	95		93		70-130	2		30
1,1,2-Trichloroethane	93		93		70-130	0		30
Tetrachloroethene	98		95		70-130	3		30
Chlorobenzene	94		93		70-130	1		30
Trichlorofluoromethane	76		76		70-139	0		30
1,2-Dichloroethane	84		82		70-130	2		30
1,1,1-Trichloroethane	87		84		70-130	4		30
Bromodichloromethane	84		82		70-130	2		30
trans-1,3-Dichloropropene	90		90		70-130	0		30
cis-1,3-Dichloropropene	82		80		70-130	2		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	98		94		70-130	4		30
1,1,2,2-Tetrachloroethane	96		95		70-130	1		30
Benzene	86		85		70-130	1		30
Toluene	97		94		70-130	3		30
Ethylbenzene	94		92		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638138-1 WG638138-2								
Chloromethane	84		84		52-130	0		30
Bromomethane	80		80		57-147	0		30
Vinyl chloride	78		77		67-130	1		30
Chloroethane	80		78		50-151	3		30
1,1-Dichloroethene	87		87		65-135	0		30
trans-1,2-Dichloroethene	88		86		70-130	2		30
Trichloroethene	87		85		70-130	2		30
1,2-Dichlorobenzene	97		95		70-130	2		30
1,3-Dichlorobenzene	99		96		70-130	3		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	82		82		66-130	0		30
p/m-Xylene	96		94		70-130	2		30
o-Xylene	96		94		70-130	2		30
cis-1,2-Dichloroethene	86		85		70-130	1		30
Dibromomethane	84		84		70-130	0		30
Styrene	96		94		70-130	2		30
Dichlorodifluoromethane	70		69		30-146	1		30
Acetone	80		66		54-140	19		30
Carbon disulfide	85		83		59-130	2		30
2-Butanone	92		81		70-130	13		30
Vinyl acetate	77		76		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638138-1 WG638138-2								
4-Methyl-2-pentanone	83		83		70-130	0		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	93		84		70-130	10		30
Bromochloromethane	88		85		70-130	3		30
2,2-Dichloropropane	88		85		70-130	3		30
1,2-Dibromoethane	93		92		70-130	1		30
1,3-Dichloropropane	91		91		69-130	0		30
1,1,1,2-Tetrachloroethane	95		92		70-130	3		30
Bromobenzene	95		92		70-130	3		30
n-Butylbenzene	99		96		70-130	3		30
sec-Butylbenzene	98		94		70-130	4		30
tert-Butylbenzene	97		94		70-130	3		30
o-Chlorotoluene	98		95		70-130	3		30
p-Chlorotoluene	96		93		70-130	3		30
1,2-Dibromo-3-chloropropane	97		96		68-130	1		30
Hexachlorobutadiene	98		95		67-130	3		30
Isopropylbenzene	95		91		70-130	4		30
p-Isopropyltoluene	99		95		70-130	4		30
Naphthalene	94		95		70-130	1		30
Acrylonitrile	86		88		70-130	2		30
Isopropyl Ether	81		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638138-1 WG638138-2								
tert-Butyl Alcohol	92		93		70-130	1		30
n-Propylbenzene	96		92		70-130	4		30
1,2,3-Trichlorobenzene	99		98		70-130	1		30
1,2,4-Trichlorobenzene	99		96		70-130	3		30
1,3,5-Trimethylbenzene	98		94		70-130	4		30
1,2,4-Trimethylbenzene	98		95		70-130	3		30
Methyl Acetate	86		86		51-146	0		30
Ethyl Acetate	84		83		70-130	1		30
Acrolein	88		86		70-130	2		30
Cyclohexane	73		72		59-142	1		30
1,4-Dioxane	94		95		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	75		73		50-139	3		30
1,4-Diethylbenzene	99		96		70-130	3		30
4-Ethyltoluene	97		93		70-130	4		30
1,2,4,5-Tetramethylbenzene	97		95		70-130	2		30
Tetrahydrofuran	82		82		66-130	0		30
Ethyl ether	75		74		67-130	1		30
trans-1,4-Dichloro-2-butene	93		93		70-130	0		30
Methyl cyclohexane	72		70		70-130	3		30
Ethyl-Tert-Butyl-Ether	82		81		70-130	1		30
Tertiary-Amyl Methyl Ether	84		84		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG638138-1 WG638138-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,13 Batch: WG638262-1 WG638262-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,13 Batch: WG638262-1 WG638262-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,13 Batch: WG638262-1 WG638262-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,13 Batch: WG638262-1 WG638262-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10,13 Batch: WG638262-1 WG638262-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG638370-1 WG638370-2								
Methylene chloride	104		105		70-130	1		30
1,1-Dichloroethane	102		103		70-130	1		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	99		102		70-130	3		30
1,2-Dichloropropane	100		103		70-130	3		30
Dibromochloromethane	92		94		70-130	2		30
1,1,2-Trichloroethane	96		98		70-130	2		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	97		98		70-130	1		30
Trichlorofluoromethane	106		105		70-139	1		30
1,2-Dichloroethane	102		104		70-130	2		30
1,1,1-Trichloroethane	102		102		70-130	0		30
Bromodichloromethane	99		103		70-130	4		30
trans-1,3-Dichloropropene	90		92		70-130	2		30
cis-1,3-Dichloropropene	94		97		70-130	3		30
1,1-Dichloropropene	101		102		70-130	1		30
Bromoform	88		92		70-130	4		30
1,1,2,2-Tetrachloroethane	90		92		70-130	2		30
Benzene	102		103		70-130	1		30
Toluene	96		97		70-130	1		30
Ethylbenzene	97		98		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG638370-1 WG638370-2								
Chloromethane	99		99		52-130	0		30
Bromomethane	115		113		57-147	2		30
Vinyl chloride	101		101		67-130	0		30
Chloroethane	122		126		50-151	3		30
1,1-Dichloroethene	101		98		65-135	3		30
trans-1,2-Dichloroethene	103		103		70-130	0		30
Trichloroethene	103		103		70-130	0		30
1,2-Dichlorobenzene	97		97		70-130	0		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	100		99		70-130	1		30
Methyl tert butyl ether	97		100		66-130	3		30
p/m-Xylene	99		100		70-130	1		30
o-Xylene	98		100		70-130	2		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	100		102		70-130	2		30
Styrene	100		101		70-130	1		30
Dichlorodifluoromethane	93		93		30-146	0		30
Acetone	**143**	Q	138		54-140	4		30
Carbon disulfide	100		100		59-130	0		30
2-Butanone	**132**	Q	**132**	Q	70-130	0		30
Vinyl acetate	91		93		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG638370-1 WG638370-2								
4-Methyl-2-pentanone	94		97		70-130	3		30
1,2,3-Trichloropropane	93		92		68-130	1		30
2-Hexanone	106		105		70-130	1		30
Bromochloromethane	106		105		70-130	1		30
2,2-Dichloropropane	101		102		70-130	1		30
1,2-Dibromoethane	92		96		70-130	4		30
1,3-Dichloropropane	94		95		69-130	1		30
1,1,1,2-Tetrachloroethane	94		95		70-130	1		30
Bromobenzene	97		98		70-130	1		30
n-Butylbenzene	100		100		70-130	0		30
sec-Butylbenzene	98		98		70-130	0		30
tert-Butylbenzene	97		97		70-130	0		30
o-Chlorotoluene	97		96		70-130	1		30
p-Chlorotoluene	99		98		70-130	1		30
1,2-Dibromo-3-chloropropane	86		84		68-130	2		30
Hexachlorobutadiene	98		98		67-130	0		30
Isopropylbenzene	98		98		70-130	0		30
p-Isopropyltoluene	99		99		70-130	0		30
Naphthalene	94		95		70-130	1		30
Acrylonitrile	101		102		70-130	1		30
Isopropyl Ether	105		106		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG638370-1 WG638370-2								
tert-Butyl Alcohol	87		90		70-130	3		30
n-Propylbenzene	99		98		70-130	1		30
1,2,3-Trichlorobenzene	99		101		70-130	2		30
1,2,4-Trichlorobenzene	102		102		70-130	0		30
1,3,5-Trimethylbenzene	98		99		70-130	1		30
1,2,4-Trimethylbenzene	98		99		70-130	1		30
Methyl Acetate	100		98		51-146	2		30
Ethyl Acetate	97		99		70-130	2		30
Acrolein	95		95		70-130	0		30
Cyclohexane	102		100		59-142	2		30
1,4-Dioxane	94		97		65-136	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	100		98		50-139	2		30
1,4-Diethylbenzene	100		100		70-130	0		30
4-Ethyltoluene	99		99		70-130	0		30
1,2,4,5-Tetramethylbenzene	102		102		70-130	0		30
Tetrahydrofuran	102		96		66-130	6		30
Ethyl ether	101		100		67-130	1		30
trans-1,4-Dichloro-2-butene	91		92		70-130	1		30
Methyl cyclohexane	98		98		70-130	0		30
Ethyl-Tert-Butyl-Ether	102		101		70-130	1		30
Tertiary-Amyl Methyl Ether	97		99		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,05-06 Batch: WG638370-1 WG638370-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		102		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG638603-1 WG638603-2								
Methylene chloride	101		100		70-130	1		20
1,1-Dichloroethane	116		112		70-130	4		20
Chloroform	114		112		70-130	2		20
2-Chloroethylvinyl ether	72		73		70-130	1		20
Carbon tetrachloride	120		116		63-132	3		20
1,2-Dichloropropane	110		111		70-130	1		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	110		109		70-130	1		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	112		110		75-130	2		20
Trichlorofluoromethane	110		104		62-150	6		20
1,2-Dichloroethane	103		102		70-130	1		20
1,1,1-Trichloroethane	114		112		67-130	2		20
Bromodichloromethane	107		107		67-130	0		20
trans-1,3-Dichloropropene	112		112		70-130	0		20
cis-1,3-Dichloropropene	108		108		70-130	0		20
1,1-Dichloropropene	114		112		70-130	2		20
Bromoform	108		108		54-136	0		20
1,1,2,2-Tetrachloroethane	106		108		67-130	2		20
Benzene	117		114		70-130	3		20
Toluene	116		114		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG638603-1 WG638603-2								
Ethylbenzene	114		110		70-130	4		20
Chloromethane	90		85		64-130	6		20
Bromomethane	43		42		39-139	2		20
Vinyl chloride	98		93		55-140	5		20
Chloroethane	93		88		55-138	6		20
1,1-Dichloroethene	118		113		61-145	4		20
trans-1,2-Dichloroethene	116		112		70-130	4		20
Trichloroethene	114		112		70-130	2		20
1,2-Dichlorobenzene	109		108		70-130	1		20
1,3-Dichlorobenzene	114		112		70-130	2		20
1,4-Dichlorobenzene	110		108		70-130	2		20
Methyl tert butyl ether	106		108		63-130	2		20
p/m-Xylene	114		111		70-130	3		20
o-Xylene	110		108		70-130	2		20
cis-1,2-Dichloroethene	112		112		70-130	0		20
Dibromomethane	106		107		70-130	1		20
1,2,3-Trichloropropane	110		114		64-130	4		20
Acrylonitrile	113		112		70-130	1		20
Isopropyl Ether	112		111		70-130	1		20
tert-Butyl Alcohol	124		123		70-130	1		20
Styrene	112		110		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG638603-1 WG638603-2								
Dichlorodifluoromethane	80		76		36-147	5		20
Acetone	132		123		58-148	7		20
Carbon disulfide	111		107		51-130	4		20
2-Butanone	138		133		63-138	4		20
Vinyl acetate	108		108		70-130	0		20
4-Methyl-2-pentanone	89		90		59-130	1		20
2-Hexanone	93		92		57-130	1		20
Bromochloromethane	118		116		70-130	2		20
2,2-Dichloropropane	124		121		63-133	2		20
1,2-Dibromoethane	104		105		70-130	1		20
1,3-Dichloropropane	107		108		70-130	1		20
1,1,1,2-Tetrachloroethane	113		113		64-130	0		20
Bromobenzene	106		106		70-130	0		20
n-Butylbenzene	110		107		53-136	3		20
sec-Butylbenzene	113		110		70-130	3		20
tert-Butylbenzene	110		109		70-130	1		20
o-Chlorotoluene	116		115		70-130	1		20
p-Chlorotoluene	111		109		70-130	2		20
1,2-Dibromo-3-chloropropane	101		98		41-144	3		20
Hexachlorobutadiene	107		104		63-130	3		20
Isopropylbenzene	108		108		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG638603-1 WG638603-2								
p-Isopropyltoluene	112		110		70-130	2		20
Naphthalene	95		94		70-130	1		20
n-Propylbenzene	111		108		69-130	3		20
1,2,3-Trichlorobenzene	97		95		70-130	2		20
1,2,4-Trichlorobenzene	101		98		70-130	3		20
1,3,5-Trimethylbenzene	113		110		64-130	3		20
1,2,4-Trimethylbenzene	109		106		70-130	3		20
Methyl Acetate	109		110		70-130	1		20
Ethyl Acetate	102		102		70-130	0		20
Cyclohexane	122		118		70-130	3		20
Ethyl-Tert-Butyl-Ether	106		107		70-130	1		20
Tertiary-Amyl Methyl Ether	101		103		66-130	2		20
1,4-Dioxane	134		137		56-162	2		20
Freon-113	126		119		70-130	6		20
p-Diethylbenzene	108		103		70-130	5		20
p-Ethyltoluene	111		110		70-130	1		20
1,2,4,5-Tetramethylbenzene	111		108		70-130	3		20
Ethyl ether	112		112		59-134	0		20
trans-1,4-Dichloro-2-butene	85		88		70-130	3		20
Methyl cyclohexane	117		112		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG638603-1 WG638603-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		92		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	102		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09 Batch: WG638612-1 WG638612-2								
Methylene chloride	86		91		70-130	6		30
1,1-Dichloroethane	91		97		70-130	6		30
Chloroform	92		97		70-130	5		30
Carbon tetrachloride	98		101		70-130	3		30
1,2-Dichloropropane	92		96		70-130	4		30
Dibromochloromethane	101		105		70-130	4		30
1,1,2-Trichloroethane	100		104		70-130	4		30
Tetrachloroethene	104		107		70-130	3		30
Chlorobenzene	101		104		70-130	3		30
Trichlorofluoromethane	105		111		70-139	6		30
1,2-Dichloroethane	92		94		70-130	2		30
1,1,1-Trichloroethane	94		98		70-130	4		30
Bromodichloromethane	92		95		70-130	3		30
trans-1,3-Dichloropropene	100		103		70-130	3		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
1,1-Dichloropropene	94		98		70-130	4		30
Bromoform	103		105		70-130	2		30
1,1,2,2-Tetrachloroethane	99		102		70-130	3		30
Benzene	94		98		70-130	4		30
Toluene	101		104		70-130	3		30
Ethylbenzene	100		103		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09 Batch: WG638612-1 WG638612-2								
Chloromethane	88		101		52-130	14		30
Bromomethane	106		113		57-147	6		30
Vinyl chloride	100		107		67-130	7		30
Chloroethane	109		109		50-151	0		30
1,1-Dichloroethene	97		102		65-135	5		30
trans-1,2-Dichloroethene	94		100		70-130	6		30
Trichloroethene	94		98		70-130	4		30
1,2-Dichlorobenzene	102		106		70-130	4		30
1,3-Dichlorobenzene	103		107		70-130	4		30
1,4-Dichlorobenzene	102		106		70-130	4		30
Methyl tert butyl ether	90		94		66-130	4		30
p/m-Xylene	102		105		70-130	3		30
o-Xylene	102		105		70-130	3		30
cis-1,2-Dichloroethene	93		97		70-130	4		30
Dibromomethane	94		97		70-130	3		30
Styrene	103		107		70-130	4		30
Dichlorodifluoromethane	92		99		30-146	7		30
Acetone	90		80		54-140	12		30
Carbon disulfide	90		94		59-130	4		30
2-Butanone	112		102		70-130	9		30
Vinyl acetate	84		88		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09 Batch: WG638612-1 WG638612-2								
4-Methyl-2-pentanone	88		89		70-130	1		30
1,2,3-Trichloropropane	101		102		68-130	1		30
2-Hexanone	106		96		70-130	10		30
Bromochloromethane	96		100		70-130	4		30
2,2-Dichloropropane	96		99		70-130	3		30
1,2-Dibromoethane	101		104		70-130	3		30
1,3-Dichloropropane	99		102		69-130	3		30
1,1,1,2-Tetrachloroethane	102		106		70-130	4		30
Bromobenzene	100		104		70-130	4		30
n-Butylbenzene	102		105		70-130	3		30
sec-Butylbenzene	102		106		70-130	4		30
tert-Butylbenzene	102		105		70-130	3		30
o-Chlorotoluene	102		106		70-130	4		30
p-Chlorotoluene	100		104		70-130	4		30
1,2-Dibromo-3-chloropropane	97		100		68-130	3		30
Hexachlorobutadiene	101		104		67-130	3		30
Isopropylbenzene	100		103		70-130	3		30
p-Isopropyltoluene	103		106		70-130	3		30
Naphthalene	94		100		70-130	6		30
Acrylonitrile	89		92		70-130	3		30
Isopropyl Ether	88		93		66-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09 Batch: WG638612-1 WG638612-2								
tert-Butyl Alcohol	92		93		70-130	1		30
n-Propylbenzene	99		103		70-130	4		30
1,2,3-Trichlorobenzene	98		103		70-130	5		30
1,2,4-Trichlorobenzene	100		104		70-130	4		30
1,3,5-Trimethylbenzene	102		105		70-130	3		30
1,2,4-Trimethylbenzene	102		106		70-130	4		30
Methyl Acetate	90		92		51-146	2		30
Ethyl Acetate	89		90		70-130	1		30
Acrolein	91		93		70-130	2		30
Cyclohexane	92		95		59-142	3		30
1,4-Dioxane	84		88		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	97		102		50-139	5		30
1,4-Diethylbenzene	103		107		70-130	4		30
4-Ethyltoluene	101		105		70-130	4		30
1,2,4,5-Tetramethylbenzene	101		105		70-130	4		30
Tetrahydrofuran	88		87		66-130	1		30
Ethyl ether	86		91		67-130	6		30
trans-1,4-Dichloro-2-butene	98		99		70-130	1		30
Methyl cyclohexane	95		97		70-130	2		30
Ethyl-Tert-Butyl-Ether	90		95		70-130	5		30
Tertiary-Amyl Methyl Ether	94		97		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09 Batch: WG638612-1 WG638612-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/23/13 22:50		
Analyst:	PS		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	880		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	6700		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	380		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
Benzo(a)anthracene	3700		ug/kg	120	39.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-03 Date Collected: 09/12/13 17:00

Client ID: G1_COMP-05D_5-10 Date Received: 09/13/13

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)pyrene	3800		ug/kg	160	49.	1
Benzo(b)fluoranthene	4800		ug/kg	120	40.	1
Benzo(k)fluoranthene	1800		ug/kg	120	38.	1
Chrysene	3600		ug/kg	120	39.	1
Acenaphthylene	210		ug/kg	160	37.	1
Anthracene	2100		ug/kg	120	33.	1
Benzo(ghi)perylene	2400		ug/kg	160	41.	1
Fluorene	980		ug/kg	200	57.	1
Phenanthrene	6600		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	700		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	2700		ug/kg	160	44.	1
Pyrene	6600		ug/kg	120	39.	1
Biphenyl	99	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	610		ug/kg	200	66.	1
2-Methylnaphthalene	270		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	ND		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	800		ug/kg	200	43.	1
Benzaldehyde	110	J	ug/kg	260	80.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	83		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	86		0-136
4-Terphenyl-d14	52		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/23/13 23:18		
Analyst:	PS		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	740		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	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	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	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	5500		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	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	210	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	400		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	50.	1
Benzo(a)anthracene	4800		ug/kg	120	39.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-04 Date Collected: 09/12/13 17:00

Client ID: G1_COMP-05S_0-5 Date Received: 09/13/13

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)pyrene	5000		ug/kg	160	48.	1
Benzo(b)fluoranthene	7100		ug/kg	120	40.	1
Benzo(k)fluoranthene	2200		ug/kg	120	38.	1
Chrysene	4800		ug/kg	120	39.	1
Acenaphthylene	190		ug/kg	160	37.	1
Anthracene	1900		ug/kg	120	33.	1
Benzo(ghi)perylene	3400		ug/kg	160	41.	1
Fluorene	930		ug/kg	200	57.	1
Phenanthrene	5300		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	1200		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	3700		ug/kg	160	44.	1
Pyrene	6300		ug/kg	120	38.	1
Biphenyl	82	J	ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	570		ug/kg	200	66.	1
2-Methylnaphthalene	270		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	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	950	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	65.	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	61.	1
Carbazole	780		ug/kg	200	42.	1
Benzaldehyde	130	J	ug/kg	260	80.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	86		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	88		0-136
4-Terphenyl-d14	62		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/23/13 23:45		
Analyst:	PS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	6600		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	11000	E	ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	8100	E	ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	90	J	ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	3800		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-07 Date Collected: 09/13/13 09:05

Client ID: G1_COMP-06S_0-5 Date Received: 09/13/13

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)pyrene	2100		ug/kg	150	47.	1
Benzo(b)fluoranthene	3300		ug/kg	120	39.	1
Benzo(k)fluoranthene	1100		ug/kg	120	37.	1
Chrysene	3600		ug/kg	120	38.	1
Acenaphthylene	710		ug/kg	150	36.	1
Anthracene	6500		ug/kg	120	32.	1
Benzo(ghi)perylene	1000		ug/kg	150	40.	1
Fluorene	6100		ug/kg	190	55.	1
Phenanthrene	14000	E	ug/kg	120	38.	1
Dibenzo(a,h)anthracene	330		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	1200		ug/kg	150	43.	1
Pyrene	8800	E	ug/kg	120	38.	1
Biphenyl	1000		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	4400		ug/kg	190	64.	1
2-Methylnaphthalene	2800		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	3200		ug/kg	190	42.	1
Benzaldehyde	290		ug/kg	260	78.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	53.	1
Atrazine	ND		ug/kg	150	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	53		0-136
4-Terphenyl-d14	60		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07 D	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/25/13 01:56		
Analyst:	PS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	13000		ug/kg	580	180	5
Naphthalene	11000		ug/kg	970	320	5
Phenanthrene	24000		ug/kg	580	190	5
Pyrene	9500		ug/kg	580	190	5

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/24/13 00:13		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1600		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	12000	E	ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	690		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	7500		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-08 Date Collected: 09/13/13 09:10

Client ID: G1_COMP-06D_5-10 Date Received: 09/13/13

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)pyrene	6800		ug/kg	150	47.	1
Benzo(b)fluoranthene	7900	E	ug/kg	120	39.	1
Benzo(k)fluoranthene	2500		ug/kg	120	37.	1
Chrysene	6800		ug/kg	120	38.	1
Acenaphthylene	230		ug/kg	150	36.	1
Anthracene	4100		ug/kg	120	32.	1
Benzo(ghi)perylene	4100		ug/kg	150	40.	1
Fluorene	1900		ug/kg	190	55.	1
Phenanthrene	11000	E	ug/kg	120	38.	1
Dibenzo(a,h)anthracene	1300		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	4500		ug/kg	150	43.	1
Pyrene	12000	E	ug/kg	120	37.	1
Biphenyl	160	J	ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	1200		ug/kg	190	64.	1
2-Methylnaphthalene	400		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	1400		ug/kg	190	41.	1
Benzaldehyde	81	J	ug/kg	250	78.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	53.	1
Atrazine	ND		ug/kg	150	43.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	100		25-120
Phenol-d6	96		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	102		0-136
4-Terphenyl-d14	72		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08 D	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/25/13 02:23		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	15000		ug/kg	580	180	5
Benzo(b)fluoranthene	6400		ug/kg	580	190	5
Phenanthrene	15000		ug/kg	580	190	5
Pyrene	12000		ug/kg	580	190	5

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/24/13 00:40		
Analyst:	PS		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	500		ug/kg	170	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	69.	1
Hexachlorobenzene	ND		ug/kg	130	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	59.	1
2-Chloronaphthalene	ND		ug/kg	210	69.	1
1,2-Dichlorobenzene	ND		ug/kg	210	69.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	64.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
Fluoranthene	9700	E	ug/kg	130	39.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	64.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	74.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	64.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	140	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	1100		ug/kg	210	70.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	63.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	55.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1
Benzo(a)anthracene	4700		ug/kg	130	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-11 Date Collected: 09/13/13 10:50

Client ID: G1_COMP-01D_5-10 Date Received: 09/13/13

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)pyrene	5200		ug/kg	170	52.	1
Benzo(b)fluoranthene	6500		ug/kg	130	42.	1
Benzo(k)fluoranthene	2300		ug/kg	130	40.	1
Chrysene	4800		ug/kg	130	41.	1
Acenaphthylene	180		ug/kg	170	39.	1
Anthracene	1700		ug/kg	130	35.	1
Benzo(ghi)perylene	3900		ug/kg	170	44.	1
Fluorene	830		ug/kg	210	60.	1
Phenanthrene	7000		ug/kg	130	41.	1
Dibenzo(a,h)anthracene	960		ug/kg	130	41.	1
Indeno(1,2,3-cd)Pyrene	4300		ug/kg	170	47.	1
Pyrene	8200		ug/kg	130	41.	1
Biphenyl	130	J	ug/kg	480	69.	1
4-Chloroaniline	ND		ug/kg	210	56.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	57.	1
Dibenzofuran	670		ug/kg	210	70.	1
2-Methylnaphthalene	320		ug/kg	250	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	65.	1
Acetophenone	ND		ug/kg	210	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
P-Chloro-M-Cresol	ND		ug/kg	210	61.	1
2-Chlorophenol	ND		ug/kg	210	64.	1
2,4-Dichlorophenol	ND		ug/kg	190	68.	1
2,4-Dimethylphenol	ND		ug/kg	210	63.	1
2-Nitrophenol	ND		ug/kg	450	66.	1
4-Nitrophenol	ND		ug/kg	290	68.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	77.	1
Pentachlorophenol	ND		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	68.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	69.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	68.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	580		ug/kg	210	45.	1
Benzaldehyde	120	J	ug/kg	280	85.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	210	58.	1
Atrazine	ND		ug/kg	170	48.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	96		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	71		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11 D	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/25/13 02:50		
Analyst:	PS		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	12000		ug/kg	250	77.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/24/13 01:09		
Analyst:	PS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	300		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	59.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	50.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	59.	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	46.	1
Fluoranthene	4200		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	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	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	210		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	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
Benzo(a)anthracene	2100		ug/kg	110	35.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-12 Date Collected: 09/13/13 10:45

Client ID: G1_COMP-01S_0-5 Date Received: 09/13/13

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)pyrene	1900		ug/kg	140	44.	1
Benzo(b)fluoranthene	2100		ug/kg	110	36.	1
Benzo(k)fluoranthene	970		ug/kg	110	34.	1
Chrysene	2200		ug/kg	110	35.	1
Acenaphthylene	240		ug/kg	140	34.	1
Anthracene	940		ug/kg	110	30.	1
Benzo(ghi)perylene	1200		ug/kg	140	37.	1
Fluorene	370		ug/kg	180	52.	1
Phenanthrene	3800		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	340		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	1300		ug/kg	140	40.	1
Pyrene	3800		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	59.	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	260		ug/kg	180	60.	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	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	54.	1
2-Nitrophenol	ND		ug/kg	390	56.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	860	250	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	330		ug/kg	180	39.	1
Benzaldehyde	ND		ug/kg	240	73.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	72		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	75		0-136
4-Terphenyl-d14	44		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14 D	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 01:26
Analytical Date:	09/24/13 01:37		
Analyst:	PS		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	290		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	91.	2
Fluoranthene	4000		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	190	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
Benzo(a)anthracene	2100		ug/kg	210	69.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-14 D Date Collected: 09/13/13 11:20

Client ID: G1_COMP-DUP_091313_S Date Received: 09/13/13

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)pyrene	1900		ug/kg	280	87.	2
Benzo(b)fluoranthene	2200		ug/kg	210	72.	2
Benzo(k)fluoranthene	860		ug/kg	210	68.	2
Chrysene	2000		ug/kg	210	70.	2
Acenaphthylene	430		ug/kg	280	66.	2
Anthracene	1000		ug/kg	210	59.	2
Benzo(ghi)perylene	1600		ug/kg	280	74.	2
Fluorene	330	J	ug/kg	350	100	2
Phenanthrene	3300		ug/kg	210	69.	2
Dibenzo(a,h)anthracene	360		ug/kg	210	68.	2
Indeno(1,2,3-cd)Pyrene	1700		ug/kg	280	79.	2
Pyrene	3700		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	220	J	ug/kg	350	120	2
2-Methylnaphthalene	120	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	330	J	ug/kg	350	76.	2
Benzaldehyde	ND		ug/kg	470	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-14 D Date Collected: 09/13/13 11:20

Client ID: G1_COMP-DUP_091313_S Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	86		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	94		0-136
4-Terphenyl-d14	55		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/23/13 22:05
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 01:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637268-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	54.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	50.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/23/13 22:05
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 01:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637268-1					
Benzo(a)anthracene	ND		ug/kg	100	32.
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.
Acetophenone	ND		ug/kg	170	51.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/23/13 22:05
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 01:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637268-1					
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	170	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	104		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	108		30-120
2,4,6-Tribromophenol	119		0-136
4-Terphenyl-d14	109		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637268-2 WG637268-3								
Acenaphthene	99		105		31-137	6		50
1,2,4-Trichlorobenzene	97		103		38-107	6		50
Hexachlorobenzene	115		120		40-140	4		50
Bis(2-chloroethyl)ether	98		99		40-140	1		50
2-Chloronaphthalene	110		116		40-140	5		50
1,2-Dichlorobenzene	94		97		40-140	3		50
1,3-Dichlorobenzene	92		96		40-140	4		50
1,4-Dichlorobenzene	92		96		28-104	4		50
3,3'-Dichlorobenzidine	76		83		40-140	9		50
2,4-Dinitrotoluene	**120**	Q	**127**	Q	28-89	6		50
2,6-Dinitrotoluene	125		133		40-140	6		50
Fluoranthene	108		114		40-140	5		50
4-Chlorophenyl phenyl ether	107		112		40-140	5		50
4-Bromophenyl phenyl ether	116		124		40-140	7		50
Bis(2-chloroisopropyl)ether	90		92		40-140	2		50
Bis(2-chloroethoxy)methane	105		104		40-117	1		50
Hexachlorobutadiene	97		104		40-140	7		50
Hexachlorocyclopentadiene	101		107		40-140	6		50
Hexachloroethane	91		93		40-140	2		50
Isophorone	107		107		40-140	0		50
Naphthalene	95		100		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637268-2 WG637268-3								
Nitrobenzene	93		100		40-140	7		50
NitrosoDiPhenylAmine(NDPA)/DPA	111		117			5		50
n-Nitrosodi-n-propylamine	103		102		32-121	1		50
Bis(2-Ethylhexyl)phthalate	105		110		40-140	5		50
Butyl benzyl phthalate	109		117		40-140	7		50
Di-n-butylphthalate	105		110		40-140	5		50
Di-n-octylphthalate	110		117		40-140	6		50
Diethyl phthalate	107		112		40-140	5		50
Dimethyl phthalate	106		112		40-140	6		50
Benzo(a)anthracene	101		108		40-140	7		50
Benzo(a)pyrene	103		110		40-140	7		50
Benzo(b)fluoranthene	102		108		40-140	6		50
Benzo(k)fluoranthene	104		112		40-140	7		50
Chrysene	102		108		40-140	6		50
Acenaphthylene	113		118		40-140	4		50
Anthracene	106		110		40-140	4		50
Benzo(ghi)perylene	95		103		40-140	8		50
Fluorene	107		112		40-140	5		50
Phenanthrene	100		106		40-140	6		50
Dibenzo(a,h)anthracene	99		104		40-140	5		50
Indeno(1,2,3-cd)Pyrene	98		104		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637268-2 WG637268-3								
Pyrene	107		113		35-142	5		50
Biphenyl	101		106			5		50
4-Chloroaniline	67		73		40-140	9		50
2-Nitroaniline	128		**135**	Q	47-134	5		50
3-Nitroaniline	75		81		26-129	8		50
4-Nitroaniline	104		111		41-125	7		50
Dibenzofuran	103		108		40-140	5		50
2-Methylnaphthalene	100		105		40-140	5		50
1,2,4,5-Tetrachlorobenzene	102		106		40-117	4		50
Acetophenone	111		113		14-144	2		50
2,4,6-Trichlorophenol	128		**137**	Q	30-130	7		50
P-Chloro-M-Cresol	**120**	Q	**128**	Q	26-103	6		50
2-Chlorophenol	**109**	Q	**110**	Q	25-102	1		50
2,4-Dichlorophenol	116		121		30-130	4		50
2,4-Dimethylphenol	124		122		30-130	2		50
2-Nitrophenol	124		124		30-130	0		50
4-Nitrophenol	110		**116**	Q	11-114	5		50
2,4-Dinitrophenol	106		115		4-130	8		50
4,6-Dinitro-o-cresol	112		122		10-130	9		50
Pentachlorophenol	93		102		17-109	9		50
Phenol	**104**	Q	**103**	Q	26-90	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637268-2 WG637268-3								
2-Methylphenol	116		114		30-130.	2		50
3-Methylphenol/4-Methylphenol	124		124		30-130	0		50
2,4,5-Trichlorophenol	123		129		30-130	5		50
Benzoic Acid	96		101			5		50
Benzyl Alcohol	108		109		40-140	1		50
Carbazole	103		110		54-128	7		50
Benzaldehyde	92		101			9		50
Caprolactam	113		119			5		50
Atrazine	119		126			6		50
2,3,4,6-Tetrachlorophenol	114		121			6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	109		111		25-120
Phenol-d6	114		114		10-120
Nitrobenzene-d5	103		105		23-120
2-Fluorobiphenyl	112		117		30-120
2,4,6-Tribromophenol	120		131		0-136
4-Terphenyl-d14	99		105		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 21:55		
Analyst:	AR		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	234000		ug/kg	38600	3780	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	94		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 13:28		
Analyst:	JV		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	610	J	ug/kg	3000	59.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		70-130
4-Bromofluorobenzene	81		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/18/13 08:02
Analytical Date:	09/19/13 21:43		
Analyst:	AR		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	537000		ug/kg	39800	3900	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 15:31		
Analyst:	JV		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	4700		ug/kg	3000	58.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	72		70-130
4-Bromofluorobenzene	84		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 16:12		
Analyst:	JV		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	4900		ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		70-130
4-Bromofluorobenzene	79		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07 D	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/18/13 08:02
Analytical Date:	09/20/13 15:04		
Analyst:	AR		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	548000		ug/kg	77800	7620	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	100		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 22:26		
Analyst:	AR		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	320000		ug/kg	38500	3770	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	99		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 16:53		
Analyst:	JV		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	20000		ug/kg	2900	57.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	74		70-130
4-Bromofluorobenzene	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 21:24		
Analyst:	AR		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	152000		ug/kg	41400	4060	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	97		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 17:33		
Analyst:	JV		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	2200	J	ug/kg	3200	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	71		70-130
4-Bromofluorobenzene	76		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 18:14		
Analyst:	JV		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	190	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	82		70-130
4-Bromofluorobenzene	86		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12 D	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 18:19		
Analyst:	AR		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	317000		ug/kg	70200	6880	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	97		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 18:55		
Analyst:	JV		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	420	J	ug/kg	2700	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	84		70-130
4-Bromofluorobenzene	85		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14 D	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 17:48		
Analyst:	AR		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	528000		ug/kg	68900	6750	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	86		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 11:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 03,08,11-12,14 Batch: WG636471-1					
TPH	ND		ug/kg	32200	3160

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/19/13 12:07
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/18/13 08:02

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 04,07 Batch: WG637006-1					
TPH	ND		ug/kg	32800	3210

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/21/13 12:48
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637987-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	78		70-130
4-Bromofluorobenzene	80		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03,08,11-12,14 Batch: WG636471-2								
TPH	109		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04,07 Batch: WG637006-2								
TPH	91		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	86				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637987-1 WG637987-2								
Gasoline Range Organics	104		105		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	93		100		70-130
4-Bromofluorobenzene	88		108		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637987-5 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10												
Gasoline Range Organics	610J	23900	25000	106		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100				70-130
4-Bromofluorobenzene	98				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03,08,11-12,14 QC Batch ID: WG636471-3 QC Sample: L1318095-01 Client ID: DUP Sample						
TPH	78100	64800	ug/kg	19		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		105		40-140

Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04,07 QC Batch ID: WG637006-3 QC Sample: L1318299-01 Client ID: DUP Sample						
TPH	415000	394000	ug/kg	5		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		101		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637987-4 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10					
Gasoline Range Organics	610J	1400J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		87		70-130
4-Bromofluorobenzene	81		93		70-130

PCBS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 01:04	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	82%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.1	7.91	1	A
Aroclor 1221	ND		ug/kg	40.1	12.1	1	A
Aroclor 1232	ND		ug/kg	40.1	8.51	1	A
Aroclor 1242	ND		ug/kg	40.1	7.60	1	A
Aroclor 1248	ND		ug/kg	40.1	4.85	1	A
Aroclor 1254	ND		ug/kg	40.1	6.32	1	A
Aroclor 1260	ND		ug/kg	40.1	6.95	1	A
Aroclor 1262	ND		ug/kg	40.1	2.96	1	A
Aroclor 1268	ND		ug/kg	40.1	5.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 01:17	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	83%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.9	7.48	1	A
Aroclor 1221	ND		ug/kg	37.9	11.4	1	A
Aroclor 1232	ND		ug/kg	37.9	8.04	1	A
Aroclor 1242	ND		ug/kg	37.9	7.18	1	A
Aroclor 1248	ND		ug/kg	37.9	4.58	1	A
Aroclor 1254	ND		ug/kg	37.9	5.97	1	A
Aroclor 1260	ND		ug/kg	37.9	6.57	1	A
Aroclor 1262	ND		ug/kg	37.9	2.80	1	A
Aroclor 1268	ND		ug/kg	37.9	5.49	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 01:30	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.3	7.56	1	A
Aroclor 1221	ND		ug/kg	38.3	11.6	1	A
Aroclor 1232	ND		ug/kg	38.3	8.14	1	A
Aroclor 1242	ND		ug/kg	38.3	7.27	1	A
Aroclor 1248	ND		ug/kg	38.3	4.63	1	A
Aroclor 1254	ND		ug/kg	38.3	6.04	1	A
Aroclor 1260	ND		ug/kg	38.3	6.65	1	A
Aroclor 1262	ND		ug/kg	38.3	2.83	1	A
Aroclor 1268	ND		ug/kg	38.3	5.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 01:43	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.2	7.55	1	A
Aroclor 1221	ND		ug/kg	38.2	11.5	1	A
Aroclor 1232	ND		ug/kg	38.2	8.12	1	A
Aroclor 1242	ND		ug/kg	38.2	7.26	1	A
Aroclor 1248	ND		ug/kg	38.2	4.63	1	A
Aroclor 1254	ND		ug/kg	38.2	6.03	1	A
Aroclor 1260	ND		ug/kg	38.2	6.64	1	A
Aroclor 1262	ND		ug/kg	38.2	2.83	1	A
Aroclor 1268	ND		ug/kg	38.2	5.55	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 01:57	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	79%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.8	7.87	1	A
Aroclor 1221	ND		ug/kg	39.8	12.0	1	A
Aroclor 1232	ND		ug/kg	39.8	8.47	1	A
Aroclor 1242	ND		ug/kg	39.8	7.56	1	A
Aroclor 1248	ND		ug/kg	39.8	4.82	1	A
Aroclor 1254	ND		ug/kg	39.8	6.28	1	A
Aroclor 1260	ND		ug/kg	39.8	6.92	1	A
Aroclor 1262	ND		ug/kg	39.8	2.95	1	A
Aroclor 1268	ND		ug/kg	39.8	5.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 02:10	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	6.89	1	A
Aroclor 1221	ND		ug/kg	34.9	10.5	1	A
Aroclor 1232	ND		ug/kg	34.9	7.41	1	A
Aroclor 1242	ND		ug/kg	34.9	6.62	1	A
Aroclor 1248	ND		ug/kg	34.9	4.22	1	A
Aroclor 1254	ND		ug/kg	34.9	5.50	1	A
Aroclor 1260	33.6	J	ug/kg	34.9	6.05	1	B
Aroclor 1262	ND		ug/kg	34.9	2.58	1	A
Aroclor 1268	ND		ug/kg	34.9	5.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 02:23	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	92%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.3	6.78	1	A
Aroclor 1221	ND		ug/kg	34.3	10.4	1	A
Aroclor 1232	ND		ug/kg	34.3	7.29	1	A
Aroclor 1242	ND		ug/kg	34.3	6.51	1	A
Aroclor 1248	ND		ug/kg	34.3	4.15	1	A
Aroclor 1254	ND		ug/kg	34.3	5.41	1	A
Aroclor 1260	23.7	J	ug/kg	34.3	5.96	1	B
Aroclor 1262	ND		ug/kg	34.3	2.54	1	A
Aroclor 1268	ND		ug/kg	34.3	4.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318158

Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 23:01	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	198	24.1	1	A
2,4,5-T	ND		ug/kg	198	12.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	198	11.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	47		30-150	A
DCAA	**23**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03 D	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 16:30	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.7	3.67	10	A
Lindane	ND		ug/kg	7.81	3.49	10	A
Alpha-BHC	ND		ug/kg	7.81	2.22	10	A
Beta-BHC	ND		ug/kg	18.7	7.10	10	A
Heptachlor	ND		ug/kg	9.37	4.20	10	A
Aldrin	ND		ug/kg	18.7	6.60	10	A
Heptachlor epoxide	ND		ug/kg	35.1	10.5	10	A
Endrin	ND		ug/kg	7.81	3.20	10	A
Endrin ketone	ND		ug/kg	18.7	4.82	10	A
Dieldrin	ND		ug/kg	11.7	5.86	10	A
4,4'-DDE	ND		ug/kg	18.7	4.33	10	A
4,4'-DDD	ND		ug/kg	18.7	6.68	10	A
4,4'-DDT	ND		ug/kg	35.1	15.1	10	A
Endosulfan I	ND		ug/kg	18.7	4.43	10	A
Endosulfan II	ND		ug/kg	18.7	6.26	10	A
Endosulfan sulfate	ND		ug/kg	7.81	3.57	10	A
Methoxychlor	ND		ug/kg	35.1	10.9	10	A
Toxaphene	ND		ug/kg	351	98.4	10	A
cis-Chlordane	ND		ug/kg	23.4	6.53	10	A
trans-Chlordane	ND		ug/kg	23.4	6.18	10	A
Chlordane	ND		ug/kg	152	62.1	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**353**	Q	30-150	A
Decachlorobiphenyl	140		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	121		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 22:42	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	83%		

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	117		30-150	A
DCAA	79		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04 D	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 16:43	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.5	3.62	10	A
Lindane	ND		ug/kg	7.71	3.45	10	A
Alpha-BHC	ND		ug/kg	7.71	2.19	10	A
Beta-BHC	ND		ug/kg	18.5	7.02	10	A
Heptachlor	ND		ug/kg	9.26	4.15	10	A
Aldrin	ND		ug/kg	18.5	6.52	10	A
Heptachlor epoxide	ND		ug/kg	34.7	10.4	10	A
Endrin	ND		ug/kg	7.71	3.16	10	A
Endrin ketone	ND		ug/kg	18.5	4.77	10	A
Dieldrin	ND		ug/kg	11.6	5.78	10	A
4,4'-DDE	ND		ug/kg	18.5	4.28	10	A
4,4'-DDD	ND		ug/kg	18.5	6.60	10	A
4,4'-DDT	ND		ug/kg	34.7	14.9	10	A
Endosulfan I	ND		ug/kg	18.5	4.37	10	A
Endosulfan II	ND		ug/kg	18.5	6.18	10	A
Endosulfan sulfate	ND		ug/kg	7.71	3.52	10	A
Methoxychlor	ND		ug/kg	34.7	10.8	10	A
Toxaphene	ND		ug/kg	347	97.2	10	A
cis-Chlordane	ND		ug/kg	23.1	6.45	10	A
trans-Chlordane	ND		ug/kg	23.1	6.11	10	A
Chlordane	ND		ug/kg	150	61.3	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**391**	Q	30-150	A
Decachlorobiphenyl	**183**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 22:22	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	190	23.1	1	A
2,4,5-T	ND		ug/kg	190	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	190	10.5	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	61		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07 D	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 16:56	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.5	3.44	10	A
Lindane	ND		ug/kg	7.31	3.27	10	A
Alpha-BHC	ND		ug/kg	7.31	2.08	10	A
Beta-BHC	ND		ug/kg	17.5	6.65	10	A
Heptachlor	ND		ug/kg	8.77	3.93	10	A
Aldrin	ND		ug/kg	17.5	6.18	10	A
Heptachlor epoxide	ND		ug/kg	32.9	9.87	10	A
Endrin	ND		ug/kg	7.31	3.00	10	A
Endrin ketone	ND		ug/kg	17.5	4.52	10	A
Dieldrin	ND		ug/kg	11.0	5.48	10	A
4,4'-DDE	ND		ug/kg	17.5	4.06	10	A
4,4'-DDD	ND		ug/kg	17.5	6.26	10	A
4,4'-DDT	ND		ug/kg	32.9	14.1	10	A
Endosulfan I	ND		ug/kg	17.5	4.14	10	A
Endosulfan II	ND		ug/kg	17.5	5.86	10	A
Endosulfan sulfate	ND		ug/kg	7.31	3.34	10	A
Methoxychlor	ND		ug/kg	32.9	10.2	10	A
Toxaphene	ND		ug/kg	329	92.1	10	A
cis-Chlordane	ND		ug/kg	21.9	6.11	10	A
trans-Chlordane	ND		ug/kg	21.9	5.79	10	A
Chlordane	ND		ug/kg	142	58.1	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**329**	Q	30-150	A
Decachlorobiphenyl	**163**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 09:32	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	192	23.4	1	A
2,4,5-T	ND		ug/kg	192	12.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	10.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	79		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08 D	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 17:08	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.7	3.47	10	A
Lindane	ND		ug/kg	7.39	3.30	10	A
Alpha-BHC	ND		ug/kg	7.39	2.10	10	A
Beta-BHC	ND		ug/kg	17.7	6.72	10	A
Heptachlor	ND		ug/kg	8.87	3.98	10	A
Aldrin	ND		ug/kg	17.7	6.24	10	A
Heptachlor epoxide	ND		ug/kg	33.2	9.98	10	A
Endrin	ND		ug/kg	7.39	3.03	10	A
Endrin ketone	ND		ug/kg	17.7	4.57	10	A
Dieldrin	ND		ug/kg	11.1	5.54	10	A
4,4'-DDE	ND		ug/kg	17.7	4.10	10	A
4,4'-DDD	ND		ug/kg	17.7	6.32	10	A
4,4'-DDT	ND		ug/kg	33.2	14.3	10	A
Endosulfan I	ND		ug/kg	17.7	4.19	10	A
Endosulfan II	ND		ug/kg	17.7	5.93	10	A
Endosulfan sulfate	ND		ug/kg	7.39	3.38	10	A
Methoxychlor	ND		ug/kg	33.2	10.3	10	A
Toxaphene	ND		ug/kg	332	93.1	10	A
cis-Chlordane	ND		ug/kg	22.2	6.18	10	A
trans-Chlordane	ND		ug/kg	22.2	5.85	10	A
Chlordane	ND		ug/kg	144	58.7	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**277**	Q	30-150	A
Decachlorobiphenyl	**197**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	122		30-150	B
Decachlorobiphenyl	129		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 09:52	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	210	25.5	1	A
2,4,5-T	ND		ug/kg	210	13.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	210	11.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	86		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11 D	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 17:21	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	19.4	3.81	10	A
Lindane	ND		ug/kg	8.10	3.62	10	A
Alpha-BHC	ND		ug/kg	8.10	2.30	10	A
Beta-BHC	ND		ug/kg	19.4	7.37	10	A
Heptachlor	ND		ug/kg	9.72	4.36	10	A
Aldrin	ND		ug/kg	19.4	6.84	10	A
Heptachlor epoxide	ND		ug/kg	36.4	10.9	10	A
Endrin	ND		ug/kg	8.10	3.32	10	A
Endrin ketone	ND		ug/kg	19.4	5.00	10	A
Dieldrin	ND		ug/kg	12.1	6.07	10	A
4,4'-DDE	ND		ug/kg	19.4	4.49	10	A
4,4'-DDD	ND		ug/kg	19.4	6.93	10	A
4,4'-DDT	ND		ug/kg	36.4	15.6	10	A
Endosulfan I	ND		ug/kg	19.4	4.59	10	A
Endosulfan II	ND		ug/kg	19.4	6.49	10	A
Endosulfan sulfate	ND		ug/kg	8.10	3.70	10	A
Methoxychlor	ND		ug/kg	36.4	11.3	10	A
Toxaphene	ND		ug/kg	364	102.	10	A
cis-Chlordane	ND		ug/kg	24.3	6.77	10	A
trans-Chlordane	ND		ug/kg	24.3	6.41	10	A
Chlordane	ND		ug/kg	158	64.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	142		30-150	A
Decachlorobiphenyl	**284**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	**160**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 10:12	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	91%		

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	94		30-150	A
DCAA	75		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12 D	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 17:34	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.1	3.34	10	A
Lindane	ND		ug/kg	7.12	3.18	10	A
Alpha-BHC	ND		ug/kg	7.12	2.02	10	A
Beta-BHC	ND		ug/kg	17.1	6.48	10	A
Heptachlor	ND		ug/kg	8.54	3.83	10	A
Aldrin	ND		ug/kg	17.1	6.01	10	A
Heptachlor epoxide	ND		ug/kg	32.0	9.61	10	A
Endrin	ND		ug/kg	7.12	2.92	10	A
Endrin ketone	ND		ug/kg	17.1	4.40	10	A
Dieldrin	ND		ug/kg	10.7	5.34	10	A
4,4'-DDE	ND		ug/kg	17.1	3.95	10	A
4,4'-DDD	ND		ug/kg	17.1	6.09	10	A
4,4'-DDT	ND		ug/kg	32.0	13.7	10	A
Endosulfan I	ND		ug/kg	17.1	4.04	10	A
Endosulfan II	ND		ug/kg	17.1	5.71	10	A
Endosulfan sulfate	ND		ug/kg	7.12	3.25	10	A
Methoxychlor	ND		ug/kg	32.0	9.96	10	A
Toxaphene	ND		ug/kg	320	89.7	10	A
cis-Chlordane	ND		ug/kg	21.4	5.95	10	A
trans-Chlordane	ND		ug/kg	21.4	5.64	10	A
Chlordane	ND		ug/kg	139	56.6	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	**163**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	**155**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 10:32	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	21.9	1	A
2,4,5-T	ND		ug/kg	180	11.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	9.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	73		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14 D	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 17:47	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.9	3.31	10	A
Lindane	ND		ug/kg	7.04	3.14	10	A
Alpha-BHC	ND		ug/kg	7.04	2.00	10	A
Beta-BHC	ND		ug/kg	16.9	6.40	10	A
Heptachlor	ND		ug/kg	8.44	3.79	10	A
Aldrin	ND		ug/kg	16.9	5.95	10	A
Heptachlor epoxide	ND		ug/kg	31.7	9.50	10	A
Endrin	ND		ug/kg	7.04	2.88	10	A
Endrin ketone	ND		ug/kg	16.9	4.35	10	A
Dieldrin	ND		ug/kg	10.6	5.28	10	A
4,4'-DDE	ND		ug/kg	16.9	3.90	10	A
4,4'-DDD	ND		ug/kg	16.9	6.02	10	A
4,4'-DDT	ND		ug/kg	31.7	13.6	10	A
Endosulfan I	ND		ug/kg	16.9	3.99	10	A
Endosulfan II	ND		ug/kg	16.9	5.64	10	A
Endosulfan sulfate	ND		ug/kg	7.04	3.22	10	A
Methoxychlor	ND		ug/kg	31.7	9.85	10	A
Toxaphene	ND		ug/kg	317	88.7	10	A
cis-Chlordane	ND		ug/kg	21.1	5.88	10	A
trans-Chlordane	ND		ug/kg	21.1	5.57	10	A
Chlordane	ND		ug/kg	137	55.9	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	144		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-04,07 Batch: WG636326-1						
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	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 20:33
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/17/13 20:56
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG636910-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.283	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.634	0.290	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.4	5.04	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/20/13 06:34
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/19/13 10:50

Methylation Date: 09/20/13 00:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 08,11-12,14 Batch: WG637388-1						
2,4-D	ND		ug/kg	163	19.8	A
2,4,5-T	ND		ug/kg	163	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	163	8.98	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	83		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-04,07 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG636910-2 WG636910-3									
Delta-BHC	82		88		30-150	7		30	A
Lindane	64		79		30-150	21		30	A
Alpha-BHC	70		75		30-150	7		30	A
Beta-BHC	70		74		30-150	6		30	A
Heptachlor	86		87		30-150	1		30	A
Aldrin	80		84		30-150	5		30	A
Heptachlor epoxide	77		82		30-150	6		30	A
Endrin	87		93		30-150	7		30	A
Endrin ketone	74		81		30-150	9		30	A
Dieldrin	81		86		30-150	6		30	A
4,4'-DDE	78		81		30-150	4		30	A
4,4'-DDD	80		86		30-150	7		30	A
4,4'-DDT	84		90		30-150	7		30	A
Endosulfan I	79		84		30-150	6		30	A
Endosulfan II	84		89		30-150	6		30	A
Endosulfan sulfate	81		88		30-150	8		30	A
Methoxychlor	69		75		30-150	8		30	A
cis-Chlordane	76		81		30-150	6		30	A
trans-Chlordane	77		81		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG636910-2 WG636910-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		87		30-150	A
Decachlorobiphenyl	78		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		58		30-150	B
Decachlorobiphenyl	115		86		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 08,11-12,14 Batch: WG637388-2 WG637388-3									
Dicamba	77		91		30-150	17		30	A
2,4-D	100		122		30-150	20		30	A
2,4,5-T	96		112		30-150	15		30	A
2,4,5-TP (Silvex)	99		115		30-150	15		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	97		115		30-150	A
DCAA	76		94		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Barium, TCLP	0.99		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Lead, TCLP	1.9		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:35	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 13:46	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-03
Client ID: G1_COMP-05D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 82%

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
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	5900		mg/kg	9.4	1.9	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.7	0.75	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Arsenic, Total	12		mg/kg	0.94	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.94	0.28	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Beryllium, Total	0.70		mg/kg	0.47	0.09	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.94	0.07	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Calcium, Total	13000		mg/kg	9.4	2.8	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Chromium, Total	16		mg/kg	0.94	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Cobalt, Total	13		mg/kg	1.9	0.47	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Copper, Total	170		mg/kg	0.94	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	4.7	1.9	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Lead, Total	550		mg/kg	4.7	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Magnesium, Total	4600		mg/kg	9.4	0.94	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Manganese, Total	230		mg/kg	0.94	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Mercury, Total	0.72		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 09:57	EPA 7471B	1,7471B	MC
Nickel, Total	26		mg/kg	2.3	0.38	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Potassium, Total	720		mg/kg	230	38.	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Selenium, Total	1.1	J	mg/kg	1.9	0.28	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.94	0.19	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Sodium, Total	210		mg/kg	190	28.	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.94	0.09	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT
Zinc, Total	600		mg/kg	4.7	0.66	2	09/19/13 09:49	09/20/13 10:48	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Barium, TCLP	1.0		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Lead, TCLP	5.4		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:41	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 13:50	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-04
Client ID: G1_COMP-05S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
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	7500		mg/kg	9.3	1.9	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.7	0.75	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.93	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Barium, Total	250		mg/kg	0.93	0.28	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Beryllium, Total	10		mg/kg	0.47	0.09	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Cadmium, Total	2.1		mg/kg	0.93	0.07	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Calcium, Total	11000		mg/kg	9.3	2.8	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Chromium, Total	74		mg/kg	0.93	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Cobalt, Total	34		mg/kg	1.9	0.47	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Copper, Total	620		mg/kg	0.93	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Iron, Total	31000		mg/kg	4.7	1.9	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Lead, Total	950		mg/kg	4.7	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Magnesium, Total	1700		mg/kg	9.3	0.93	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Manganese, Total	380		mg/kg	0.93	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Mercury, Total	0.85		mg/kg	0.10	0.02	1	09/21/13 12:30	09/23/13 10:04	EPA 7471B	1,7471B	MC
Nickel, Total	63		mg/kg	2.3	0.37	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Potassium, Total	830		mg/kg	230	37.	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Selenium, Total	1.2	J	mg/kg	1.9	0.28	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Silver, Total	1.5		mg/kg	0.93	0.19	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Sodium, Total	470		mg/kg	190	28.	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.37	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.93	0.09	2	09/19/13 09:49	09/20/13 11:28	EPA 3050B	1,6010C	TT
Zinc, Total	3700		mg/kg	47	6.5	20	09/19/13 09:49	09/21/13 12:24	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Barium, TCLP	0.42	J	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Lead, TCLP	0.31	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:42	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 14:33	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-07
Client ID: G1_COMP-06S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 86%

Date Collected: 09/13/13 09:05
Date Received: 09/13/13
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	5900		mg/kg	9.0	1.8	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.5	0.72	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Arsenic, Total	11		mg/kg	0.90	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Barium, Total	140		mg/kg	0.90	0.27	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Beryllium, Total	2.1		mg/kg	0.45	0.09	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Cadmium, Total	0.83	J	mg/kg	0.90	0.06	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Calcium, Total	44000		mg/kg	9.0	2.7	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Chromium, Total	22		mg/kg	0.90	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Cobalt, Total	16		mg/kg	1.8	0.45	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Copper, Total	230		mg/kg	0.90	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.5	1.8	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Lead, Total	320		mg/kg	4.5	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Magnesium, Total	14000		mg/kg	9.0	0.90	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Manganese, Total	210		mg/kg	0.90	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Mercury, Total	0.20		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:06	EPA 7471B	1,7471B	MC
Nickel, Total	29		mg/kg	2.3	0.36	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Potassium, Total	760		mg/kg	230	36.	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Selenium, Total	1.8		mg/kg	1.8	0.27	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.90	0.18	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Sodium, Total	240		mg/kg	180	27.	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.90	0.09	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT
Zinc, Total	1200		mg/kg	4.5	0.63	2	09/19/13 09:49	09/20/13 11:32	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Barium, TCLP	0.27	J	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Lead, TCLP	0.40	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:44	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 14:37	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-08
Client ID: G1_COMP-06D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/13/13 09:10
Date Received: 09/13/13
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	5100		mg/kg	9.2	1.8	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Antimony, Total	1.3	J	mg/kg	4.6	0.74	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Arsenic, Total	11		mg/kg	0.92	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Barium, Total	120		mg/kg	0.92	0.28	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Beryllium, Total	0.39	J	mg/kg	0.46	0.09	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Cadmium, Total	0.77	J	mg/kg	0.92	0.06	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Calcium, Total	11000		mg/kg	9.2	2.8	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.92	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Cobalt, Total	7.6		mg/kg	1.8	0.46	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Copper, Total	100		mg/kg	0.92	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Iron, Total	15000		mg/kg	4.6	1.8	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Lead, Total	310		mg/kg	4.6	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Magnesium, Total	2300		mg/kg	9.2	0.92	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Manganese, Total	270		mg/kg	0.92	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Mercury, Total	0.45		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:08	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.3	0.37	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Potassium, Total	780		mg/kg	230	37.	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Selenium, Total	1.1	J	mg/kg	1.8	0.28	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.92	0.18	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Sodium, Total	160	J	mg/kg	180	28.	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.92	0.09	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT
Zinc, Total	400		mg/kg	4.6	0.64	2	09/19/13 09:49	09/20/13 11:36	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-11
Client ID: G1_COMP-01D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 79%

Date Collected: 09/13/13 10:50
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	0.03	J	mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Barium, TCLP	0.29	J	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Lead, TCLP	0.19	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:46	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 15:24	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-11
Client ID: G1_COMP-01D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 79%

Date Collected: 09/13/13 10:50
Date Received: 09/13/13
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	4800		mg/kg	9.6	1.9	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.8	0.77	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Arsenic, Total	54		mg/kg	0.96	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Barium, Total	89		mg/kg	0.96	0.29	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Beryllium, Total	0.38	J	mg/kg	0.48	0.10	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Cadmium, Total	1.2		mg/kg	0.96	0.07	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Calcium, Total	7200		mg/kg	9.6	2.9	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.96	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Cobalt, Total	8.7		mg/kg	1.9	0.48	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Copper, Total	100		mg/kg	0.96	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Iron, Total	29000		mg/kg	4.8	1.9	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Lead, Total	150		mg/kg	4.8	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Magnesium, Total	1100		mg/kg	9.6	0.96	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Manganese, Total	130		mg/kg	0.96	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Mercury, Total	0.33		mg/kg	0.10	0.02	1	09/21/13 12:30	09/23/13 10:10	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.4	0.38	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Potassium, Total	870		mg/kg	240	38.	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Selenium, Total	4.8		mg/kg	1.9	0.29	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.96	0.19	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Sodium, Total	1100		mg/kg	190	29.	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.96	0.10	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT
Zinc, Total	64		mg/kg	4.8	0.67	2	09/19/13 09:49	09/20/13 11:39	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-12
Client ID: G1_COMP-01S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 10:45
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Barium, TCLP	0.85		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Lead, TCLP	0.48	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:48	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 17:18	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-12
Client ID: G1_COMP-01S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 10:45
Date Received: 09/13/13
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	6000		mg/kg	8.3	1.6	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.1	0.66	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Arsenic, Total	7.1		mg/kg	0.83	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Barium, Total	280		mg/kg	0.83	0.25	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Beryllium, Total	3.2		mg/kg	0.41	0.08	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Cadmium, Total	1.4		mg/kg	0.83	0.06	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Calcium, Total	54000		mg/kg	8.3	2.5	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Chromium, Total	53		mg/kg	0.83	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Cobalt, Total	45		mg/kg	1.6	0.41	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Copper, Total	810		mg/kg	0.83	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Iron, Total	34000		mg/kg	4.1	1.6	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Lead, Total	860		mg/kg	4.1	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Magnesium, Total	20000		mg/kg	8.3	0.83	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Manganese, Total	430		mg/kg	0.83	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Mercury, Total	1.6		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:15	EPA 7471B	1,7471B	MC
Nickel, Total	76		mg/kg	2.1	0.33	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Potassium, Total	790		mg/kg	210	33.	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Selenium, Total	0.48	J	mg/kg	1.6	0.25	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Silver, Total	0.28	J	mg/kg	0.83	0.16	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Sodium, Total	760		mg/kg	160	25.	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.6	0.33	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.83	0.08	2	09/19/13 09:49	09/20/13 11:43	EPA 3050B	1,6010C	TT
Zinc, Total	4700		mg/kg	41	5.8	20	09/19/13 09:49	09/20/13 16:38	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-14
Client ID: G1_COMP-DUP_091313_S
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 09/13/13 11:20
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Barium, TCLP	0.81		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Lead, TCLP	0.34	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:53	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 17:22	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318158
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-14
Client ID: G1_COMP-DUP_091313_S
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 09/13/13 11:20
Date Received: 09/13/13
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	6300		mg/kg	8.4	1.7	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.67	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Arsenic, Total	9.1		mg/kg	0.84	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Barium, Total	270		mg/kg	0.84	0.25	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Beryllium, Total	2.2		mg/kg	0.42	0.08	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Cadmium, Total	1.3		mg/kg	0.84	0.06	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Calcium, Total	33000		mg/kg	8.4	2.5	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Chromium, Total	37		mg/kg	0.84	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Cobalt, Total	29		mg/kg	1.7	0.42	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Copper, Total	570		mg/kg	0.84	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Iron, Total	31000		mg/kg	4.2	1.7	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Lead, Total	700		mg/kg	4.2	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Magnesium, Total	7000		mg/kg	8.4	0.84	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Manganese, Total	330		mg/kg	0.84	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Mercury, Total	1.1		mg/kg	0.07	0.02	1	09/21/13 12:30	09/23/13 10:17	EPA 7471B	1,7471B	MC
Nickel, Total	51		mg/kg	2.1	0.34	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Potassium, Total	830		mg/kg	210	34.	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Selenium, Total	0.72	J	mg/kg	1.7	0.25	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Silver, Total	0.27	J	mg/kg	0.84	0.17	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Sodium, Total	600		mg/kg	170	25.	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Vanadium, Total	20		mg/kg	0.84	0.08	2	09/19/13 09:49	09/20/13 11:47	EPA 3050B	1,6010C	TT
Zinc, Total	2700		mg/kg	42	5.9	20	09/19/13 09:49	09/20/13 16:41	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

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): 03-04,07-08,11-12,14 Batch: WG637358-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/19/13 09:49	09/20/13 10:40	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637383-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Lead, TCLP	ND	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Selenium, TCLP	ND	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Silver, TCLP	ND	mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG638031-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/18/13 16:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637358-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	117		-		4-196	-		
Arsenic, Total	104		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	91		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	93		-		80-120	-		
Magnesium, Total	83		-		74-126	-		
Manganese, Total	97		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	104		-		66-134	-		
Sodium, Total	98		-		74-127	-		
Thallium, Total	91		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637358-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637383-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	105	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	105	-	75-125	-	20
Lead, TCLP	104	-	75-125	-	20
Selenium, TCLP	117	-	75-125	-	20
Silver, TCLP	108	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG638031-2					
Mercury, TCLP	111	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

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): 03-04,07-08,11-12,14 QC Batch ID: WG637358-4 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10												
Aluminum, Total	5900	183	7400	**818**	Q	-	-		75-125	-		35
Antimony, Total	ND	45.8	55	120		-	-		75-125	-		35
Arsenic, Total	12.	11	27	**136**	Q	-	-		75-125	-		35
Barium, Total	160	183	380	120		-	-		75-125	-		35
Beryllium, Total	0.70	4.58	5.4	102		-	-		75-125	-		35
Cadmium, Total	1.1	4.68	5.3	90		-	-		75-125	-		35
Calcium, Total	13000	917	17000	**436**	Q	-	-		75-125	-		35
Chromium, Total	16.	18.3	31	82		-	-		75-125	-		35
Cobalt, Total	13.	45.8	48	76		-	-		75-125	-		35
Copper, Total	170	22.9	260	**392**	Q	-	-		75-125	-		35
Iron, Total	26000	91.7	23000	**0**	Q	-	-		75-125	-		35
Lead, Total	550	46.8	1400	**1820**	Q	-	-		75-125	-		35
Magnesium, Total	4600	917	6300	**185**	Q	-	-		75-125	-		35
Manganese, Total	230	45.8	210	**0**	Q	-	-		75-125	-		35
Nickel, Total	26.	45.8	62	78		-	-		75-125	-		35
Potassium, Total	720	917	1500	85		-	-		75-125	-		35
Selenium, Total	1.1J	11	11	100		-	-		75-125	-		35
Silver, Total	ND	27.5	27	98		-	-		75-125	-		35
Sodium, Total	210	917	1200	108		-	-		75-125	-		35
Thallium, Total	ND	11	7.6	**69**	Q	-	-		75-125	-		35
Vanadium, Total	19.	45.8	65	100		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

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): 03-04,07-08,11-12,14 QC Batch ID: WG637358-4 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10										
Zinc, Total	600	45.8	470	**0**	Q	-	-	75-125	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637383-4 QC Sample: L1318339-01 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Barium, TCLP	0.34J	20	21	105		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106		-	-	75-125	-	20
Chromium, TCLP	0.10J	2	2.2	110		-	-	75-125	-	20
Lead, TCLP	0.14J	5.1	5.4	106		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.4	117		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.54	108		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG638031-4 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10										
Mercury, TCLP	ND	0.025	0.0263	105		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637358-3 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10						
Aluminum, Total	5900	6400	mg/kg	8		35
Antimony, Total	ND	ND	mg/kg	NC		35
Arsenic, Total	12.	20	mg/kg	**50**	Q	35
Barium, Total	160	200	mg/kg	22		35
Beryllium, Total	0.70	1.2	mg/kg	**53**	Q	35
Cadmium, Total	1.1	1.6	mg/kg	**37**	Q	35
Calcium, Total	13000	14000	mg/kg	7		35
Chromium, Total	16.	30	mg/kg	**61**	Q	35
Cobalt, Total	13.	18	mg/kg	32		35
Copper, Total	170	310	mg/kg	**58**	Q	35
Iron, Total	26000	30000	mg/kg	14		35
Lead, Total	550	910	mg/kg	**49**	Q	35
Magnesium, Total	4600	3700	mg/kg	22		35
Manganese, Total	230	290	mg/kg	23		35
Nickel, Total	26.	35	mg/kg	30		35
Potassium, Total	720	700	mg/kg	3		35
Selenium, Total	1.1J	1.7J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Sodium, Total	210	350	mg/kg	**50**	Q	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637358-3 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10						
Thallium, Total	ND	ND	mg/kg	NC		35
Vanadium, Total	19.	23	mg/kg	19		35
Zinc, Total	600	1200	mg/kg	**67**	Q	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637383-3 QC Sample: L1318339-01 Client ID: DUP Sample						
Lead, TCLP	0.14J	0.15J	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10						
Mercury, Total	0.72	0.69	mg/kg	4		35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG638031-3 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-03	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-04	Date Collected:	09/12/13 17:00
Client ID:	G1_COMP-05S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-07	Date Collected:	09/13/13 09:05
Client ID:	G1_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-08	Date Collected:	09/13/13 09:10
Client ID:	G1_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-11	Date Collected:	09/13/13 10:50
Client ID:	G1_COMP-01D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-12	Date Collected:	09/13/13 10:45
Client ID:	G1_COMP-01S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318158-14	Date Collected:	09/13/13 11:20
Client ID:	G1_COMP-DUP_091313_S	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-01
Client ID: G1_SB-05B_8-8.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-02
Client ID: G1_SB-05B_3-3.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-03
Client ID: G1_COMP-05D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
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	16		mg/kg	0.97	0.97	1	-	09/23/13 11:29	107,-	JO
Solids, Total	82.1		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.1	0.27	1	09/18/13 10:00	09/18/13 15:04	1,9010C/9012A	JO
pH (H)	7.5		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.97	0.22	1	09/16/13 17:50	09/17/13 22:34	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:47	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:38	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-04
Client ID: G1_COMP-05S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/12/13 17:00
Date Received: 09/13/13
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	74		mg/kg	0.96	0.96	1	-	09/23/13 11:29	107,-	JO
Solids, Total	82.9		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 10:00	09/18/13 15:20	1,9010C/9012A	JO
pH (H)	7.8		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.96	0.22	1	09/16/13 17:50	09/17/13 22:36	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:47	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:38	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-05
Client ID: G1_SB-06A_3-3.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 08:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-06
Client ID: G1_SB-06A_7-7.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 09:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	64.0		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-07
Client ID: G1_COMP-06S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 09:05
Date Received: 09/13/13
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	22		mg/kg	0.93	0.93	1	-	09/23/13 11:29	107,-	JO
Solids, Total	85.7		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 12:55	09/18/13 16:10	1,9010C/9012A	JO
pH (H)	8.8		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	0.23	J	mg/kg	0.93	0.21	1	09/16/13 17:50	09/17/13 22:36	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:47	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:39	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-08
Client ID: G1_COMP-06D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 09:10
Date Received: 09/13/13
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	0.94	0.94	1	-	09/23/13 11:29	107,-	JO
Solids, Total	85.0		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 12:55	09/18/13 16:11	1,9010C/9012A	JO
pH (H)	7.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.94	0.21	1	09/16/13 17:50	09/17/13 22:37	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:47	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:39	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-09
Client ID: G1_SB-04B_4-4.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 10:25
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-10
Client ID: G1_SB-04A_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 10:30
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	67.4		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-11
Client ID: G1_COMP-01D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 10:50
Date Received: 09/13/13
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	1.0	1.0	1	-	09/23/13 11:29	107,-	JO
Solids, Total	78.5		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.2	0.29	1	09/18/13 12:55	09/18/13 16:11	1,9010C/9012A	JO
pH (H)	7.7		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.0	0.23	1	09/16/13 17:50	09/17/13 22:37	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:47	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:39	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-12
Client ID: G1_COMP-01S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 10:45
Date Received: 09/13/13
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	53		mg/kg	0.88	0.88	1	-	09/23/13 11:29	107,-	JO
Solids, Total	90.7		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.0	0.24	1	09/18/13 12:55	09/18/13 16:12	1,9010C/9012A	JO
pH (H)	8.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.88	0.20	1	09/16/13 17:50	09/17/13 22:38	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:40	1,7.3	TL
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	09/18/13 10:00	1,9095A	ST

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-13
Client ID: G1_DUP_091313_4-4.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 11:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318158-14
Client ID: G1_COMP-DUP_091313_S
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 11:20
Date Received: 09/13/13
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	37		mg/kg	0.87	0.87	1	-	09/23/13 11:29	107,-	JO
Solids, Total	91.5		%	0.100	NA	1	-	09/18/13 18:02	30,2540G	EL
Cyanide, Total	ND		mg/kg	1.0	0.24	1	09/18/13 12:55	09/18/13 16:13	1,9010C/9012A	JO
pH (H)	9.0		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.87	0.20	1	09/16/13 17:50	09/17/13 22:38	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:48	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:40	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318158

Project Number: 170229002 **Report Date:** 09/25/13

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): 03-04,07-08,11-12,14 Batch: WG636545-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 17:50	09/17/13 22:28	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG637047-1										
Cyanide, Total	ND		mg/kg	0.91	0.21	1	09/18/13 10:00	09/18/13 14:57	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 07-08,11-12,14 Batch: WG637101-1										
Cyanide, Total	ND		mg/kg	0.97	0.23	1	09/18/13 12:55	09/18/13 16:01	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637207-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:46	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03-04,07-08,11-12,14 Batch: WG637208-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:37	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG636545-2								
Chromium, Hexavalent	89		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG637047-2 WG637047-3								
Cyanide, Total	103		104		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 07-08,11-12,14 Batch: WG637101-2 WG637101-3								
Cyanide, Total	103		102		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637207-2								
Cyanide, Reactive	36		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 Batch: WG637208-2								
Sulfide, Reactive	117		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318158
Report Date: 09/25/13

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): 03-04,07-08,11-12,14 QC Batch ID: WG636545-5 WG636545-8 QC Sample: L1318168-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1370	820	**60**	Q	860	**64**	Q	75-125	5		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637047-4 WG637047-5 QC Sample: L1318168-04 Client ID: MS Sample												
Cyanide, Total	ND	10	10	98		9.9	95		65-135	1		35
General Chemistry - Westborough Lab Associated sample(s): 07-08,11-12,14 QC Batch ID: WG637101-4 WG637101-5 QC Sample: L1318356-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	98		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: G1_COMP-05D_5-10						
pH (H)	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG636545-4 QC Sample: L1318168-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637207-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,14 QC Batch ID: WG637208-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG637219-1 QC Sample: L1318140-01 Client ID: DUP Sample						
Solids, Total	84.5	84.5	%	0		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 13:56

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-01A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-01B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-01C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-01D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-01E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-01F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-01G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-02A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-02B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-02C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-02D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-02E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-02F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-02G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-03A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)
L1318158-03B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(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: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-03C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-03X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-04A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)
L1318158-04B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(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: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-04C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-04X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-05A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2),NYTCL-8260H(14)
L1318158-05B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2),NYTCL-8260H(14)
L1318158-05C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2),NYTCL-8260H(14)
L1318158-05D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1318158-05E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1318158-05F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1318158-05G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-06A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-06B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-06C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-06D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-06E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-06F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-06G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-07A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-07B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-07C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-07X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-08A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-08B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-08C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-08X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-09A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-09B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-09C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-09D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-09E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-09F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-09G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-10A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-10B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-10C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-10D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-10E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-10F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-10G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-11A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)
L1318158-11B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-11C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-11X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-12A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-12B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-12C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-12E	Amber 120ml unpreserved	A	N/A	4.2	Y	Absent	PAINTF()
L1318158-12X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-13A	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-13B	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-13C	5 gram Encore Sampler	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(2)
L1318158-13D	Vial MeOH preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-13E	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-13F	Vial Water preserved split	A	N/A	4.2	Y	Absent	NYTCL-8260HLW(14)
L1318158-13G	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	TS(7)
L1318158-14A	Vial Large Septa unpreserved	A	N/A	4.2	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318158
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318158-14B	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-14C	Amber 500ml unpreserved	A	N/A	4.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318158-14X	Plastic 250ml HNO3 preserved spl	A	<2	4.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318158-15A	Vial HCl preserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1318158-15B	Vial HCl preserved	A	N/A	4.2	Y	Absent	NYTCL-8260(14)

Container Comments

L1318158-04C

L1318158-07B

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

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

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.
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.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318158
Project Number:	170229002	**Report Date:**	09/25/13

Data Qualifiers

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:** L1318158
Project Number: 170229002 **Report Date:** 09/25/13

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.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: ~~9/13/13~~ 9/14/14

ALPHA Job #: L1318158

Client Information

Client: Langan, O.R.C.

Address: 360 W 31st St. 8th Flor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

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 #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 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
NY SDEC	6 NYCRR 375 unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters; 2) Provide Category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs, Total CN, Hex chrom, Tl, Cr(VI), TCLP RCRA 8 metals	TCL RCRA char	TS	SVOC, PCB, Pest, HVS, BZO	TPH GRO							Sample Specific Comments	TOTAL # BOTTLES
18158-1	G1 SB-05B (8-8.5)	9/12/13	17:00	Soil	NB	X		X										4
2	G1 SB-05B (3-3.5)	↓	↓		NB	X		X										4
3	G1-COMP-05D-5-10				NB		X		X	X								3
4	G1-COMP-05S-0-5				NB		X		X	X								3
5	G1 SB-06A-(3-3.5)	9/13/13	8:55		NB	X		X										4
6	G1-SB-06A-(7-7.5)	9/13/13	9:00		NB	X		X										4
7	G1 COMP-06S-0-5		9:05		NB		X		X	X								3
8	G1 COMP-06D-5-10		9:10		NB		X		X	X								3
9	G1-SB-04B-(4-4.5)		10:25		NB	X		X										4
10	G1 SB-04A-(9-9.5)		10:30		NB	X		X										4
	Container Type																	
	Preservative																	

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

COOLER A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	[illegible]	9/13/13 2035
[illegible]	9/13/13	[illegible]	9/13/13 9/14/13 0020

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)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 9/13/13

ALPHA Job #: L1318158

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: 360 W 31st St. 8th Floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

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 Raygoradetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 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	6 NYCRR 375 unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and part 375 parameters; 2) Provide category A data deliverables; 3) provide NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Metals (Total CN, Hex Chrom, Hg, Cr)	TCLP 8270 & metals	PCBs	TS	SVOC, PCB, Pest, Herb, TPH DRO	TPH GRO	paint filter	VOC	Sample Specific Comments	Total # Bottles
18158-11	GL_COMP_OLD_5-10	9/13/13	10:50	Soil	NB		X			X	X					3
12	GL_COMP_OLS_0-5	9/13/13	10:45	Soil	NB		X			X	X	X				4
13	GL_DUP_09132313 (4-4.5)		11:15	Soil	NB	X			X							4
14	GL_COMP_DUP_09132355		11:20	Soil	NB		X			X	X					3
15	TRIP BLANK												X			2

Container Type															
Preservative															

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

COOLER A

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	Tom Fisher	9/13/13 2035
Tom Fisher	9/13/13	[illegible]	9/13/13
			9/14/13 0020

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:	L1318159
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:	09/25/13

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: L1318159
Report Date: 09/25/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318159-01	FB01_091313	BROOKLYN, NY	09/13/13 12:00
L1318159-02	G1_SB-02A_2.5-3	BROOKLYN, NY	09/13/13 12:55
L1318159-03	G1_SB-02A_8-8.5	BROOKLYN, NY	09/13/13 13:00
L1318159-04	G1_COMP-02S_0-5	BROOKLYN, NY	09/13/13 13:15
L1318159-05	G1_COMP-02D_5-10	BROOKLYN, NY	09/13/13 13:20
L1318159-06	TB01_091313	BROOKLYN, NY	09/13/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318159
Project Number: 170229002 **Report Date:** 09/25/13

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 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.

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

Project Name: GREENPOINT LANDING **Lab Number:** L1318159
Project Number: 170229002 **Report Date:** 09/25/13

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.

Semivolatile Organics

L1318159-04 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

The WG636954-2/-3 LCS/LCSD recoveries, associated with L1318159-01, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

PCBs

L1318159-01 has elevated detection limits due to limited sample volume available for analysis.

Pesticides

Due to a laboratory oversight, the WG636605-1 Method Blank, associated with L1318159-01, was spiked with spike solution and is not reported. The associated sample is non-detect with acceptable surrogate recoveries.

L1318159-04 and -05 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318159-04 and -05 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318159-04 and -05, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration, no qualification of the results was performed.

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

Case Narrative (continued)

Chromium, Hexavalent

L1318159-01 was analyzed with the method required holding time exceeded. The result is reported at the client's request.

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: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/25/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 17:07		
Analyst:	PD		

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	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-01 Date Collected: 09/13/13 12:00

Client ID: FB01_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	3.0	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	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	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	117		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-02	Date Collected:	09/13/13 12:55
Client ID:	G1_SB-02A_2.5-3	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 20:11		
Analyst:	PP		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	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	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.49	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.28	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-02 Date Collected: 09/13/13 12:55

Client ID: G1_SB-02A_2.5-3 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.38	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.4	0.36	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	ND		ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.42	1
Vinyl acetate	ND		ug/kg	12	0.56	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.26	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.9	0.23	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.9	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.23	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	5.9	0.66	1
o-Chlorotoluene	ND		ug/kg	5.9	0.19	1
p-Chlorotoluene	ND		ug/kg	5.9	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.93	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.50	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.22	1
Naphthalene	ND		ug/kg	5.9	0.90	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.67	1
Methyl Acetate	ND		ug/kg	24	0.90	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	20.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-02	Date Collected:	09/13/13 12:55
Client ID:	G1_SB-02A_2.5-3	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.32	1
p-Diethylbenzene	ND		ug/kg	4.7	0.19	1
p-Ethyltoluene	ND		ug/kg	4.7	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.53	1
Methyl cyclohexane	ND		ug/kg	4.7	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-03	Date Collected:	09/13/13 13:00
Client ID:	G1_SB-02A_8-8.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 14:54		
Analyst:	BN		
Percent Solids:	69%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.0	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.26	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	0.46	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	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.4	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.16	1
Bromodichloromethane	ND		ug/kg	1.5	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.4	0.68	1
Bromoform	ND		ug/kg	5.9	0.62	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.25	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.2	0.17	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	ND		ug/kg	7.4	1.2	1
Bromomethane	ND		ug/kg	3.0	0.50	1
Vinyl chloride	ND		ug/kg	3.0	0.21	1
Chloroethane	ND		ug/kg	3.0	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.31	1
Trichloroethene	ND		ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	7.4	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-03 Date Collected: 09/13/13 13:00

Client ID: G1_SB-02A_8-8.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.0	0.15	1
p/m-Xylene	ND		ug/kg	3.0	0.48	1
o-Xylene	ND		ug/kg	3.0	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.24	1
Styrene	ND		ug/kg	3.0	0.46	1
Dichlorodifluoromethane	ND		ug/kg	15	0.32	1
Acetone	18		ug/kg	15	4.6	1
Carbon disulfide	ND		ug/kg	15	3.0	1
2-Butanone	4.4	J	ug/kg	15	0.53	1
Vinyl acetate	ND		ug/kg	15	0.71	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.36	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.33	1
2-Hexanone	ND		ug/kg	15	0.28	1
Bromochloromethane	ND		ug/kg	7.4	0.29	1
2,2-Dichloropropane	ND		ug/kg	7.4	0.34	1
1,2-Dibromoethane	ND		ug/kg	5.9	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.4	0.26	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	0.29	1
sec-Butylbenzene	ND		ug/kg	1.5	0.31	1
tert-Butylbenzene	ND		ug/kg	7.4	0.83	1
o-Chlorotoluene	ND		ug/kg	7.4	0.24	1
p-Chlorotoluene	ND		ug/kg	7.4	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.4	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.4	0.63	1
Isopropylbenzene	ND		ug/kg	1.5	0.25	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.28	1
Naphthalene	5.8	J	ug/kg	7.4	1.1	1
Acrylonitrile	ND		ug/kg	15	0.35	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.4	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.4	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.4	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.4	0.85	1
Methyl Acetate	ND		ug/kg	30	1.1	1
Cyclohexane	ND		ug/kg	30	1.6	1
1,4-Dioxane	ND		ug/kg	150	26.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-03	Date Collected:	09/13/13 13:00
Client ID:	G1_SB-02A_8-8.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	30	0.41	1
p-Diethylbenzene	ND		ug/kg	5.9	0.24	1
p-Ethyltoluene	ND		ug/kg	5.9	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.9	0.19	1
Ethyl ether	ND		ug/kg	7.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.4	0.67	1
Methyl cyclohexane	ND		ug/kg	5.9	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-06	Date Collected:	09/13/13 00:00
Client ID:	TB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 17:35		
Analyst:	PD		

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	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-06 Date Collected: 09/13/13 00:00

Client ID: TB01_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	2.3	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	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	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-06	Date Collected:	09/13/13 00:00
Client ID:	TB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,06 Batch: WG638014-3					
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	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,06 Batch: WG638014-3					
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	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
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
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

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,06 Batch: WG638014-3					
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	0.24
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	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638262-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638262-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG638262-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,06 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		88		50-139	1		30
1,4-Diethylbenzene	99		99		70-130	0		30
4-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG638262-1 WG638262-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:20
Analytical Date:	09/20/13 21:13		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50	1
2-Chlorophenol	ND		ug/l	2.0	0.34	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.43	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.2	1
2-Nitrophenol	ND		ug/l	10	0.48	1
4-Nitrophenol	ND		ug/l	10	1.2	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59	1
Phenol	ND		ug/l	5.0	0.26	1
2-Methylphenol	ND		ug/l	5.0	0.53	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.47	1
Carbazole	ND		ug/l	2.0	0.53	1
Benzaldehyde	ND		ug/l	5.0	0.60	1
Caprolactam	ND		ug/l	10	0.39	1
Atrazine	ND		ug/l	10	1.0	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	79		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	09/18/13 02:21
Analytical Date:	09/19/13 13:19		
Analyst:	HL		

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	ND		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	75		41-149

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/24/13 02:05		
Analyst:	PS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	630		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	92.	2
Fluoranthene	8800		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	66.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	170	J	ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	95.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	120	J	ug/kg	360	70.	2
Di-n-octylphthalate	ND		ug/kg	360	89.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	92.	2
Benzo(a)anthracene	4400		ug/kg	220	71.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-04 Date Collected: 09/13/13 13:15

Client ID: G1_COMP-02S_0-5 Date Received: 09/13/13

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)pyrene	3500		ug/kg	290	88.	2
Benzo(b)fluoranthene	4600		ug/kg	220	73.	2
Benzo(k)fluoranthene	1700		ug/kg	220	69.	2
Chrysene	4200		ug/kg	220	71.	2
Acenaphthylene	260	J	ug/kg	290	68.	2
Anthracene	1900		ug/kg	220	60.	2
Benzo(ghi)perylene	2300		ug/kg	290	75.	2
Fluorene	610		ug/kg	360	100	2
Phenanthrene	7600		ug/kg	220	71.	2
Dibenzo(a,h)anthracene	720		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	2600		ug/kg	290	80.	2
Pyrene	7400		ug/kg	220	70.	2
Biphenyl	ND		ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	95.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	100	2
4-Nitroaniline	ND		ug/kg	360	98.	2
Dibenzofuran	380		ug/kg	360	120	2
2-Methylnaphthalene	130	J	ug/kg	430	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	700		ug/kg	360	78.	2
Benzaldehyde	ND		ug/kg	480	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	100	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	61.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	109		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	95		0-136
4-Terphenyl-d14	58		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/24/13 02:32		
Analyst:	PS		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	640		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	6500		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	730		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	2800		ug/kg	120	40.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-05 Date Collected: 09/13/13 13:20

Client ID: G1_COMP-02D_5-10 Date Received: 09/13/13

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)pyrene	2900		ug/kg	160	50.	1
Benzo(b)fluoranthene	3500		ug/kg	120	41.	1
Benzo(k)fluoranthene	1400		ug/kg	120	39.	1
Chrysene	3200		ug/kg	120	40.	1
Acenaphthylene	160		ug/kg	160	38.	1
Anthracene	1400		ug/kg	120	34.	1
Benzo(ghi)perylene	1900		ug/kg	160	42.	1
Fluorene	840		ug/kg	200	58.	1
Phenanthrene	5500		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	600		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	2100		ug/kg	160	45.	1
Pyrene	5300		ug/kg	120	40.	1
Biphenyl	120	J	ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	590		ug/kg	200	68.	1
2-Methylnaphthalene	320		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	650		ug/kg	200	44.	1
Benzaldehyde	200	J	ug/kg	270	82.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	56.	1
Atrazine	ND		ug/kg	160	46.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	78		0-136
4-Terphenyl-d14	57		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/13 10:42
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 02:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG636953-1					
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: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/13 10:42
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 02:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG636953-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	89		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 14:33
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 02:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG636954-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Isophorone	ND		ug/l	5.0	0.35
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 14:33
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 02:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG636954-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53
Benzaldehyde	ND		ug/l	5.0	0.60
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	1.0
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.65

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	87		41-149

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG637279-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	550	130
n-Nitrosodimethylamine	ND		ug/kg	330	54.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
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	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
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	41.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG637279-1					
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG637279-1					
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
Parathion, ethyl	ND		ug/kg	160	66.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	84		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

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 Batch: WG636953-2 WG636953-3								
Acenaphthene	84		83		37-111	1		40
2-Chloronaphthalene	72		73		40-140	1		40
Fluoranthene	114		117		40-140	3		40
Hexachlorobutadiene	40		**38**	Q	40-140	5		40
Naphthalene	72		73		40-140	1		40
Benzo(a)anthracene	111		114		40-140	3		40
Benzo(a)pyrene	112		116		40-140	4		40
Benzo(b)fluoranthene	114		113		40-140	1		40
Benzo(k)fluoranthene	117		120		40-140	3		40
Chrysene	100		104		40-140	4		40
Acenaphthylene	88		90		40-140	2		40
Anthracene	100		111		40-140	10		40
Benzo(ghi)perylene	102		104		40-140	2		40
Fluorene	86		85		40-140	1		40
Phenanthrene	109		105		40-140	4		40
Dibenzo(a,h)anthracene	105		107		40-140	2		40
Indeno(1,2,3-cd)Pyrene	109		110		40-140	1		40
Pyrene	110		114		26-127	4		40
2-Methylnaphthalene	72		74		40-140	3		40
Pentachlorophenol	77		78		9-103	1		40
Hexachlorobenzene	83		82		40-140	1		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

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 Batch: WG636953-2 WG636953-3								
Hexachloroethane	46		44		40-140	4		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	36		41		21-120
Phenol-d6	22		26		10-120
Nitrobenzene-d5	95		102		23-120
2-Fluorobiphenyl	83		90		15-120
2,4,6-Tribromophenol	102		**122**	Q	10-120
4-Terphenyl-d14	100		111		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG636954-2 WG636954-3								
1,2,4-Trichlorobenzene	70		73		39-98	4		30
Bis(2-chloroethyl)ether	100		105		40-140	5		30
1,2-Dichlorobenzene	74		76		40-140	3		30
1,3-Dichlorobenzene	70		71		40-140	1		30
1,4-Dichlorobenzene	70		71		36-97	1		30
3,3'-Dichlorobenzidine	84		83		40-140	1		30
2,4-Dinitrotoluene	**124**	Q	**127**	Q	24-96	2		30
2,6-Dinitrotoluene	113		116		40-140	3		30
4-Chlorophenyl phenyl ether	100		105		40-140	5		30
4-Bromophenyl phenyl ether	107		113		40-140	5		30
Bis(2-chloroisopropyl)ether	97		103		40-140	6		30
Bis(2-chloroethoxy)methane	106		111		40-140	5		30
Hexachlorocyclopentadiene	**39**	Q	41		40-140	5		30
Isophorone	104		107		40-140	3		30
Nitrobenzene	97		105		40-140	8		30
NitrosoDiPhenylAmine(NDPA)/DPA	108		113		40-140	5		30
n-Nitrosodi-n-propylamine	100		105		29-132	5		30
Bis(2-Ethylhexyl)phthalate	111		116		40-140	4		30
Butyl benzyl phthalate	119		123		40-140	3		30
Di-n-butylphthalate	115		119		40-140	3		30
Di-n-octylphthalate	115		119		40-140	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG636954-2 WG636954-3								
Diethyl phthalate	109		113		40-140	4		30
Dimethyl phthalate	112		117		40-140	4		30
Biphenyl	91		95			4		30
4-Chloroaniline	64		67		40-140	5		30
2-Nitroaniline	117		121		52-143	3		30
3-Nitroaniline	70		74		25-145	6		30
4-Nitroaniline	119		128		51-143	7		30
Dibenzofuran	98		104		40-140	6		30
1,2,4,5-Tetrachlorobenzene	78		82		2-134	5		30
Acetophenone	112		120		39-129	7		30
2,4,6-Trichlorophenol	113		118		30-130	4		30
P-Chloro-M-Cresol	**104**	Q	**108**	Q	23-97	4		30
2-Chlorophenol	84		89		27-123	6		30
2,4-Dichlorophenol	108		113		30-130	5		30
2,4-Dimethylphenol	101		106		30-130	5		30
2-Nitrophenol	102		110		30-130	8		30
4-Nitrophenol	49		49		10-80	0		30
2,4-Dinitrophenol	101		106		20-130	5		30
4,6-Dinitro-o-cresol	110		119		20-164	8		30
Phenol	34		36		12-110	6		30
2-Methylphenol	75		77		30-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG636954-2 WG636954-3								
3-Methylphenol/4-Methylphenol	67		70		30-130	4		30
2,4,5-Trichlorophenol	113		119		30-130	5		30
Benzoic Acid	0		0			NC		30
Benzyl Alcohol	73		79			8		30
Carbazole	113		117		55-144	3		30
Benzaldehyde	96		100			4		30
Caprolactam	19		22			15		30
Atrazine	125		127			2		30
2,3,4,6-Tetrachlorophenol	107		115			7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		48		21-120
Phenol-d6	31		33		10-120
Nitrobenzene-d5	94		98		23-120
2-Fluorobiphenyl	98		103		15-120
2,4,6-Tribromophenol	109		111		10-120
4-Terphenyl-d14	98		99		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								
Acenaphthene	97		100		31-137	3		50
Benzidine	48		49			2		50
n-Nitrosodimethylamine	89		91			2		50
1,2,4-Trichlorobenzene	93		96		38-107	3		50
Hexachlorobenzene	98		100		40-140	2		50
Bis(2-chloroethyl)ether	88		90		40-140	2		50
2-Chloronaphthalene	94		97		40-140	3		50
1,2-Dichlorobenzene	92		94		40-140	2		50
1,3-Dichlorobenzene	91		94		40-140	3		50
1,4-Dichlorobenzene	91		93		28-104	2		50
3,3'-Dichlorobenzidine	82		84		40-140	2		50
2,4-Dinitrotoluene	**101**	Q	**105**	Q	28-89	4		50
2,6-Dinitrotoluene	99		104		40-140	5		50
Fluoranthene	104		108		40-140	4		50
4-Chlorophenyl phenyl ether	98		101		40-140	3		50
4-Bromophenyl phenyl ether	100		104		40-140	4		50
Azobenzene	96		98		40-140	2		50
Bis(2-chloroisopropyl)ether	88		90		40-140	2		50
Bis(2-chloroethoxy)methane	91		92		40-117	1		50
Hexachlorobutadiene	94		100		40-140	6		50
Hexachlorocyclopentadiene	107		112		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								
Hexachloroethane	91		94		40-140	3		50
Isophorone	92		95		40-140	3		50
Naphthalene	94		98		40-140	4		50
Nitrobenzene	109		114		40-140	4		50
NitrosoDiPhenylAmine(NDPA)/DPA	103		106			3		50
n-Nitrosodi-n-propylamine	93		96		32-121	3		50
Bis(2-Ethylhexyl)phthalate	110		**170**	Q	40-140	43		50
Butyl benzyl phthalate	110		113		40-140	3		50
Di-n-butylphthalate	114		118		40-140	3		50
Di-n-octylphthalate	115		120		40-140	4		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	99		104		40-140	5		50
Benzo(a)anthracene	99		106		40-140	7		50
Benzo(a)pyrene	108		114		40-140	5		50
Benzo(b)fluoranthene	107		110		40-140	3		50
Benzo(k)fluoranthene	101		107		40-140	6		50
Chrysene	99		100		40-140	1		50
Acenaphthylene	100		103		40-140	3		50
Anthracene	107		111		40-140	4		50
Benzo(ghi)perylene	101		108		40-140	7		50
Fluorene	98		103		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
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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): 04-05 Batch: WG637279-2 WG637279-3								
Phenanthrene	99		103		40-140	4		50
Dibenzo(a,h)anthracene	111		114		40-140	3		50
Indeno(1,2,3-cd)Pyrene	102		110		40-140	8		50
Pyrene	101		103		35-142	2		50
Biphenyl	105		108			3		50
Aniline	81		84		40-140	4		50
4-Chloroaniline	72		70		40-140	3		50
2-Nitroaniline	103		106		47-134	3		50
3-Nitroaniline	63		63		26-129	0		50
4-Nitroaniline	97		101		41-125	4		50
Dibenzofuran	97		101		40-140	4		50
2-Methylnaphthalene	92		94		40-140	2		50
1,2,4,5-Tetrachlorobenzene	103		107		40-117	4		50
Acetophenone	100		105		14-144	5		50
2,4,6-Trichlorophenol	114		119		30-130	4		50
P-Chloro-M-Cresol	**109**	Q	**112**	Q	26-103	3		50
2-Chlorophenol	100		**104**	Q	25-102	4		50
2,4-Dichlorophenol	109		114		30-130	4		50
2,4-Dimethylphenol	101		106		30-130	5		50
2-Nitrophenol	102		107		30-130	5		50
4-Nitrophenol	**119**	Q	**123**	Q	11-114	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								
2,4-Dinitrophenol	114		125		4-130	9		50
4,6-Dinitro-o-cresol	106		115		10-130	8		50
Pentachlorophenol	102		107		17-109	5		50
Phenol	**100**	Q	**102**	Q	26-90	2		50
2-Methylphenol	103		106		30-130.	3		50
3-Methylphenol/4-Methylphenol	110		113		30-130	3		50
2,4,5-Trichlorophenol	109		114		30-130	4		50
Benzoic Acid	86		94			9		50
Benzyl Alcohol	94		101		40-140	7		50
Carbazole	101		103		54-128	2		50
Benzaldehyde	94		94			0		50
Caprolactam	109		114			4		50
Atrazine	119		126			6		50
2,3,4,6-Tetrachlorophenol	113		114			1		50
Pyridine	78		78		10-93	0		50
Parathion, ethyl	129		134		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG637279-2 WG637279-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	104		107		25-120
Phenol-d6	99		102		10-120
Nitrobenzene-d5	94		98		23-120
2-Fluorobiphenyl	98		101		30-120
2,4,6-Tribromophenol	104		108		0-136
4-Terphenyl-d14	90		93		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 19:36		
Analyst:	JV		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	130	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	73		70-130
4-Bromofluorobenzene	80		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04 D	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 18:50		
Analyst:	AR		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	403000		ug/kg	70100	6860	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 20:17		
Analyst:	JV		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	710	J	ug/kg	3100	60.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	75		70-130
4-Bromofluorobenzene	82		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05 D	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 16:46		
Analyst:	AR		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	492000		ug/kg	195000	19100	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	103		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 11:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 04-05 Batch: WG636471-1					
TPH	ND		ug/kg	32200	3160

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/21/13 12:48
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 04-05 Batch: WG637987-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	78		70-130
4-Bromofluorobenzene	80		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04-05 Batch: WG636471-2								
TPH	109		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-05 Batch: WG637987-1 WG637987-2								
Gasoline Range Organics	104		105		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	93		100		70-130
4-Bromofluorobenzene	88		108		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637987-5 QC Sample: L1318158-03 Client ID: MS Sample												
Gasoline Range Organics	610J	23900	25000	106		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100				70-130
4-Bromofluorobenzene	98				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG636471-3 QC Sample: L1318095-01 Client ID: DUP Sample						
TPH	78100	64800	ug/kg	19		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		105		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637987-4 QC Sample: L1318158-03 Client ID: DUP Sample					
Gasoline Range Organics	610J	1400J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		87		70-130
4-Bromofluorobenzene	81		93		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	09/17/13 21:59
Analytical Date:	09/19/13 21:22	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/18/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.100	0.066	1	A
Aroclor 1221	ND		ug/l	0.100	0.064	1	A
Aroclor 1232	ND		ug/l	0.100	0.037	1	A
Aroclor 1242	ND		ug/l	0.100	0.072	1	A
Aroclor 1248	ND		ug/l	0.100	0.061	1	A
Aroclor 1254	ND		ug/l	0.100	0.041	1	A
Aroclor 1260	ND		ug/l	0.100	0.038	1	A
Aroclor 1262	ND		ug/l	0.100	0.035	1	A
Aroclor 1268	ND		ug/l	0.100	0.045	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 03:29	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.1	6.93	1	A
Aroclor 1221	ND		ug/kg	35.1	10.6	1	A
Aroclor 1232	ND		ug/kg	35.1	7.46	1	A
Aroclor 1242	ND		ug/kg	35.1	6.66	1	A
Aroclor 1248	ND		ug/kg	35.1	4.25	1	A
Aroclor 1254	ND		ug/kg	35.1	5.53	1	A
Aroclor 1260	ND		ug/kg	35.1	6.09	1	A
Aroclor 1262	ND		ug/kg	35.1	2.60	1	A
Aroclor 1268	ND		ug/kg	35.1	5.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 03:42	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	81%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.2	7.75	1	A
Aroclor 1221	ND		ug/kg	39.2	11.8	1	A
Aroclor 1232	ND		ug/kg	39.2	8.34	1	A
Aroclor 1242	ND		ug/kg	39.2	7.45	1	A
Aroclor 1248	ND		ug/kg	39.2	4.75	1	A
Aroclor 1254	ND		ug/kg	39.2	6.18	1	A
Aroclor 1260	ND		ug/kg	39.2	6.81	1	A
Aroclor 1262	ND		ug/kg	39.2	2.90	1	A
Aroclor 1268	ND		ug/kg	39.2	5.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318159

Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04-05 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318159

Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/19/13 20:29
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 09/17/13 21:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/18/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/18/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG636894-1						
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	62		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG636894-2 WG636894-3									
Aroclor 1016	81		83		40-140	3		50	A
Aroclor 1260	71		76		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		64		30-150	A
Decachlorobiphenyl	76		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		61		30-150	B
Decachlorobiphenyl	63		66		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	09/17/13 02:15
Analytical Date:	09/18/13 22:37	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13

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	80		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	119		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-01	Date Collected:	09/13/13 12:00
Client ID:	FB01_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/17/13 06:44
Analytical Date:	09/18/13 19:22	Methylation Date:	09/18/13 03:41
Analyst:	SH		

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	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	85		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 10:52	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	179	21.7	1	A
2,4,5-T	ND		ug/kg	179	11.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	179	9.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	81		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04 D	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:05
Analytical Date:	09/20/13 10:25	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.3	3.39	10	A
Lindane	ND		ug/kg	7.22	3.23	10	A
Alpha-BHC	ND		ug/kg	7.22	2.05	10	A
Beta-BHC	ND		ug/kg	17.3	6.57	10	A
Heptachlor	ND		ug/kg	8.66	3.88	10	A
Aldrin	ND		ug/kg	17.3	6.10	10	A
Heptachlor epoxide	ND		ug/kg	32.5	9.74	10	A
Endrin	ND		ug/kg	7.22	2.96	10	A
Endrin ketone	ND		ug/kg	17.3	4.46	10	A
Dieldrin	ND		ug/kg	10.8	5.41	10	A
4,4'-DDE	ND		ug/kg	17.3	4.00	10	A
4,4'-DDD	ND		ug/kg	17.3	6.18	10	A
4,4'-DDT	31.8	J	ug/kg	32.5	13.9	10	A
Endosulfan I	ND		ug/kg	17.3	4.09	10	A
Endosulfan II	ND		ug/kg	17.3	5.79	10	A
Endosulfan sulfate	ND		ug/kg	7.22	3.30	10	A
Methoxychlor	ND		ug/kg	32.5	10.1	10	A
Toxaphene	ND		ug/kg	325	90.9	10	A
cis-Chlordane	ND		ug/kg	21.6	6.03	10	A
trans-Chlordane	ND		ug/kg	21.6	5.72	10	A
Chlordane	ND		ug/kg	141	57.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 11:12	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	203	24.6	1	A
2,4,5-T	ND		ug/kg	203	12.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	203	11.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05 D	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:05
Analytical Date:	09/20/13 10:38	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	19.5	3.83	10	A
Lindane	ND		ug/kg	8.14	3.64	10	A
Alpha-BHC	ND		ug/kg	8.14	2.31	10	A
Beta-BHC	ND		ug/kg	19.5	7.41	10	A
Heptachlor	ND		ug/kg	9.77	4.38	10	A
Aldrin	ND		ug/kg	19.5	6.88	10	A
Heptachlor epoxide	ND		ug/kg	36.6	11.0	10	A
Endrin	ND		ug/kg	8.14	3.34	10	A
Endrin ketone	ND		ug/kg	19.5	5.03	10	A
Dieldrin	ND		ug/kg	12.2	6.11	10	A
4,4'-DDE	ND		ug/kg	19.5	4.52	10	A
4,4'-DDD	ND		ug/kg	19.5	6.97	10	A
4,4'-DDT	ND		ug/kg	36.6	15.7	10	A
Endosulfan I	ND		ug/kg	19.5	4.62	10	A
Endosulfan II	ND		ug/kg	19.5	6.53	10	A
Endosulfan sulfate	ND		ug/kg	8.14	3.72	10	A
Methoxychlor	ND		ug/kg	36.6	11.4	10	A
Toxaphene	ND		ug/kg	366	103.	10	A
cis-Chlordane	ND		ug/kg	24.4	6.81	10	A
trans-Chlordane	ND		ug/kg	24.4	6.45	10	A
Chlordane	ND		ug/kg	159	64.7	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	116		30-150	A
Decachlorobiphenyl	**165**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/18/13 18:02
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/17/13 06:44

Methylation Date: 09/18/13 03:41

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG636619-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.312	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	66		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 09:34
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/18/13 19:05
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04-05 Batch: WG637232-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.642	0.287	A
Alpha-BHC	ND		ug/kg	0.642	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.584	A
Heptachlor	ND		ug/kg	0.770	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.89	0.866	A
Endrin	ND		ug/kg	0.642	0.263	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.963	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	2.89	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.642	0.293	A
Methoxychlor	ND		ug/kg	2.89	0.898	A
Toxaphene	ND		ug/kg	28.9	8.09	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.5	5.10	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/20/13 06:34
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/19/13 10:50

Methylation Date: 09/20/13 00:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 04-05 Batch: WG637388-1						
2,4-D	ND		ug/kg	163	19.8	A
2,4,5-T	ND		ug/kg	163	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	163	8.98	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	83		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG636605-2 WG636605-3									
Delta-BHC	107		78		30-150	**31**	Q	20	A
Lindane	103		78		30-150	**27**	Q	20	A
Alpha-BHC	98		72		30-150	**30**	Q	20	A
Beta-BHC	103		81		30-150	**24**	Q	20	A
Heptachlor	78		63		30-150	**21**	Q	20	A
Aldrin	69		57		30-150	18		20	A
Heptachlor epoxide	95		71		30-150	**29**	Q	20	A
Endrin	117		86		30-150	**31**	Q	20	A
Endrin ketone	107		74		30-150	**36**	Q	20	A
Dieldrin	103		76		30-150	**30**	Q	20	A
4,4'-DDE	92		69		30-150	**28**	Q	20	A
4,4'-DDD	106		78		30-150	**31**	Q	20	A
4,4'-DDT	108		80		30-150	**30**	Q	20	A
Endosulfan I	99		74		30-150	**29**	Q	20	A
Endosulfan II	95		67		30-150	**34**	Q	20	A
Endosulfan sulfate	101		70		30-150	**37**	Q	20	A
Methoxychlor	111		79		30-150	**33**	Q	20	A
cis-Chlordane	94		71		30-150	**27**	Q	20	A
trans-Chlordane	88		70		30-150	**24**	Q	20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG636605-2 WG636605-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		48		30-150	A
Decachlorobiphenyl	123		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		39		30-150	B
Decachlorobiphenyl	143		137		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG636619-2 WG636619-3									
2,4-D	107		98		30-150	9		25	A
2,4,5-T	101		97		30-150	4		25	A
2,4,5-TP (Silvex)	101		98		30-150	3		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	106		96		30-150	A
DCAA	81		79		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG637232-2 WG637232-3									
Delta-BHC	76		82		30-150	8		30	A
Lindane	68		81		30-150	17		30	A
Alpha-BHC	74		77		30-150	4		30	A
Beta-BHC	78		82		30-150	5		30	A
Heptachlor	79		83		30-150	5		30	A
Aldrin	78		82		30-150	5		30	A
Heptachlor epoxide	69		73		30-150	6		30	A
Endrin	80		85		30-150	6		30	A
Endrin ketone	69		72		30-150	4		30	A
Dieldrin	72		77		30-150	7		30	A
4,4'-DDE	70		74		30-150	6		30	A
4,4'-DDD	72		77		30-150	7		30	A
4,4'-DDT	72		75		30-150	4		30	A
Endosulfan I	72		76		30-150	5		30	A
Endosulfan II	64		67		30-150	5		30	A
Endosulfan sulfate	67		70		30-150	4		30	A
Methoxychlor	70		74		30-150	6		30	A
cis-Chlordane	71		77		30-150	8		30	A
trans-Chlordane	72		76		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG637232-2 WG637232-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		82		30-150	A
Decachlorobiphenyl	102		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		76		30-150	B
Decachlorobiphenyl	117		137		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318159

Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG637388-2 WG637388-3									
Dicamba	77		91		30-150	17		30	A
2,4-D	100		122		30-150	20		30	A
2,4,5-T	96		112		30-150	15		30	A
2,4,5-TP (Silvex)	99		115		30-150	15		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	97		115		30-150	A
DCAA	76		94		30-150	B

METALS

Project Name: GREENPOINT LANDING
Lab Number: L1318159
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-01
Client ID: FB01_091313
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/13/13 12:00
Date Received: 09/13/13
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	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Barium, Total	0.00025	J	mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Calcium, Total	0.0504	J	mg/l	0.100	0.0320	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Chromium, Total	0.00100		mg/l	0.00100	0.00020	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Manganese, Total	0.00031	J	mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/21/13 10:30	09/23/13 14:55	EPA 7470A	1,7470A	JH
Nickel, Total	0.00036	J	mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Sodium, Total	0.177		mg/l	0.100	0.0150	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/17/13 10:12	09/17/13 17:24	EPA 3005A	1,6020A	BM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/20/13 15:00
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Barium, TCLP	0.37	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Lead, TCLP	0.72		mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:18	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 13:03	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318159
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-04
Client ID: G1_COMP-02S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 13:15
Date Received: 09/13/13
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	7900		mg/kg	8.4	1.7	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.68	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Arsenic, Total	7.2		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Barium, Total	390		mg/kg	0.84	0.25	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Beryllium, Total	3.7		mg/kg	0.42	0.08	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.84	0.06	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Calcium, Total	83000		mg/kg	8.4	2.5	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Chromium, Total	43		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Cobalt, Total	25		mg/kg	1.7	0.42	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Copper, Total	480		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Iron, Total	25000		mg/kg	4.2	1.7	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Lead, Total	1600		mg/kg	4.2	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Magnesium, Total	27000		mg/kg	8.4	0.84	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Manganese, Total	300		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Mercury, Total	0.49		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:19	EPA 7471B	1,7471B	MC
Nickel, Total	44		mg/kg	2.1	0.34	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Potassium, Total	1000		mg/kg	210	34.	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Selenium, Total	0.66	J	mg/kg	1.7	0.25	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.84	0.17	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Sodium, Total	810		mg/kg	170	25.	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Vanadium, Total	24		mg/kg	0.84	0.08	2	09/19/13 11:28	09/19/13 19:33	EPA 3050B	1,6010C	TT
Zinc, Total	2800		mg/kg	21	3.0	10	09/19/13 11:28	09/20/13 11:06	EPA 3050B	1,6010C	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/20/13 15:00
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Barium, TCLP	0.16	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Lead, TCLP	0.06	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:23	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 13:46	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318159
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-05
Client ID: G1_COMP-02D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 81%

Date Collected: 09/13/13 13:20
Date Received: 09/13/13
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	9.6	1.9	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.8	0.77	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Arsenic, Total	46		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Barium, Total	170		mg/kg	0.96	0.29	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Beryllium, Total	0.32	J	mg/kg	0.48	0.10	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Cadmium, Total	0.80	J	mg/kg	0.96	0.07	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Calcium, Total	7700		mg/kg	9.6	2.9	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Cobalt, Total	3.6		mg/kg	1.9	0.48	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Copper, Total	130		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	4.8	1.9	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Lead, Total	160		mg/kg	4.8	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Magnesium, Total	720		mg/kg	9.6	0.96	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Manganese, Total	90		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Mercury, Total	0.46		mg/kg	0.10	0.02	1	09/21/13 12:30	09/23/13 10:21	EPA 7471B	1,7471B	MC
Nickel, Total	8.8		mg/kg	2.4	0.38	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Potassium, Total	610		mg/kg	240	38.	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Selenium, Total	4.0		mg/kg	1.9	0.29	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.96	0.19	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Sodium, Total	790		mg/kg	190	29.	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.38	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Vanadium, Total	15		mg/kg	0.96	0.10	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT
Zinc, Total	74		mg/kg	4.8	0.67	2	09/19/13 11:28	09/19/13 19:53	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

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 Batch: WG636695-1										
Aluminum, Total	ND		mg/l	0.0100	0.00200	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Antimony, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	0.00020	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Barium, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.0320	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Chromium, Total	0.00066	J	mg/l	0.00100	0.00020	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Cobalt, Total	ND		mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Iron, Total	ND		mg/l	0.0500	0.0130	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	0.00020	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Magnesium, Total	ND		mg/l	0.0700	0.0230	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Manganese, Total	ND		mg/l	0.00100	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Nickel, Total	0.00029	J	mg/l	0.00050	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.0270	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	0.00030	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Sodium, Total	0.0273	J	mg/l	0.100	0.0150	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Thallium, Total	ND		mg/l	0.00050	0.00003	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Vanadium, Total	ND		mg/l	0.00500	0.00010	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	0.00120	1	09/17/13 10:12	09/17/13 17:11	1,6020A	BM

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): 04-05 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Beryllium, Total	ND	mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND	mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2	mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND	mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND	mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND	mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND	mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND	mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND	mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND	mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND	mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND	mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND	mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND	mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND	mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Thallium, Total	ND	mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND	mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND	mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	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): 04-05 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	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): 01 Batch: WG637983-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/21/13 10:30	09/23/13 14:48	1,7470A	JH

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

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
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 04-05 Batch: WG637994-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Barium, TCLP	0.05	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Lead, TCLP	0.02	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/20/13 15:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 04-05 Batch: WG638032-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:15	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/20/13 15:00

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG636695-2								
Aluminum, Total	104		-		80-120	-		
Antimony, Total	95		-		80-120	-		
Arsenic, Total	97		-		80-120	-		
Barium, Total	95		-		80-120	-		
Beryllium, Total	99		-		80-120	-		
Cadmium, Total	103		-		80-120	-		
Calcium, Total	103		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Cobalt, Total	102		-		80-120	-		
Copper, Total	100		-		80-120	-		
Iron, Total	104		-		80-120	-		
Lead, Total	100		-		80-120	-		
Magnesium, Total	104		-		80-120	-		
Manganese, Total	96		-		80-120	-		
Nickel, Total	99		-		80-120	-		
Potassium, Total	102		-		80-120	-		
Selenium, Total	96		-		80-120	-		
Silver, Total	95		-		80-120	-		
Sodium, Total	104		-		80-120	-		
Thallium, Total	96		-		80-120	-		
Vanadium, Total	98		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG636695-2					
Zinc, Total	100	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	104	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	90	-	83-117	-	
Chromium, Total	92	-	80-119	-	
Cobalt, Total	99	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	78	-	74-126	-	
Manganese, Total	97	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	109	-	80-120	-	
Silver, Total	105	-	66-134	-	
Sodium, Total	106	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 04-05 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG637983-2					
Mercury, Total	94	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 Batch: WG637994-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	108	-	75-125	-	20
Selenium, TCLP	117	-	75-125	-	20
Silver, TCLP	102	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 Batch: WG638032-2					
Mercury, TCLP	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

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 QC Batch ID: WG636695-4 QC Sample: L1318233-01 Client ID: MS Sample												
Aluminum, Total	ND	2	2.04	102		-	-		80-120	-		20
Antimony, Total	ND	0.5	0.4623	92		-	-		80-120	-		20
Arsenic, Total	ND	0.12	0.1150	96		-	-		80-120	-		20
Barium, Total	ND	2	1.864	93		-	-		80-120	-		20
Beryllium, Total	ND	0.05	0.04618	92		-	-		80-120	-		20
Cadmium, Total	ND	0.051	0.05040	99		-	-		80-120	-		20
Calcium, Total	ND	10	9.98	100		-	-		80-120	-		20
Chromium, Total	0.00073J	0.2	0.1953	98		-	-		80-120	-		20
Cobalt, Total	ND	0.5	0.5000	100		-	-		80-120	-		20
Copper, Total	ND	0.25	0.2470	99		-	-		80-120	-		20
Iron, Total	ND	1	1.06	106		-	-		80-120	-		20
Lead, Total	ND	0.51	0.4963	97		-	-		80-120	-		20
Magnesium, Total	ND	10	10.2	102		-	-		80-120	-		20
Manganese, Total	0.0006J	0.5	0.4679	94		-	-		80-120	-		20
Nickel, Total	0.00028J	0.5	0.4879	98		-	-		80-120	-		20
Potassium, Total	ND	10	9.90	99		-	-		80-120	-		20
Selenium, Total	ND	0.12	0.113	94		-	-		80-120	-		20
Silver, Total	ND	0.05	0.04677	94		-	-		80-120	-		20
Sodium, Total	0.022J	10	10.2	102		-	-		80-120	-		20
Thallium, Total	ND	0.12	0.1118	93		-	-		80-120	-		20
Vanadium, Total	ND	0.5	0.4777	96		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

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 QC Batch ID: WG636695-4 QC Sample: L1318233-01 Client ID: MS Sample									
Zinc, Total	0.00225J	0.5	0.4902	98	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

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): 04-05 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Aluminum, Total	1500	194	2700	**618**	Q	-	-	75-125	-	35
Antimony, Total	4.4J	48.5	52	107		-	-	75-125	-	35
Arsenic, Total	12.	11.6	23	86		-	-	75-125	-	35
Barium, Total	360	194	670	**154**	Q	-	-	75-125	-	35
Beryllium, Total	0.22J	4.85	5.1	105		-	-	75-125	-	35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-	75-125	-	35
Calcium, Total	620	971	4700	**419**	Q	-	-	75-125	-	35
Chromium, Total	14.	19.4	27	**62**	Q	-	-	75-125	-	35
Cobalt, Total	3.4	48.5	49	94		-	-	75-125	-	35
Copper, Total	130	24.3	120	**0**	Q	-	-	75-125	-	35
Iron, Total	5800	97.1	5200	**0**	Q	-	-	75-125	-	35
Lead, Total	420	49.5	280	**0**	Q	-	-	75-125	-	35
Magnesium, Total	290	971	1200	93		-	-	75-125	-	35
Manganese, Total	56.	48.5	110	107		-	-	75-125	-	35
Nickel, Total	15.	48.5	56	84		-	-	75-125	-	35
Potassium, Total	220J	971	1300	**134**	Q	-	-	75-125	-	35
Selenium, Total	6.1	11.6	16	84		-	-	75-125	-	35
Silver, Total	0.26J	29.1	28	96		-	-	75-125	-	35
Sodium, Total	120J	971	1200	124		-	-	75-125	-	35
Thallium, Total	ND	11.6	10	86		-	-	75-125	-	35
Vanadium, Total	8.1	48.5	54	94		-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

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): 04-05 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637983-4 QC Sample: L1318159-01 Client ID: FB01_091313										
Mercury, Total	ND	0.005	0.00585	117		-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637994-4 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5										
Arsenic, TCLP	ND	1.2	1.2	100		-	-	75-125	-	20
Barium, TCLP	0.37J	20	20	100		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.51	100		-	-	75-125	-	20
Chromium, TCLP	ND	2	1.9	95		-	-	75-125	-	20
Lead, TCLP	0.72	5.1	6.0	104		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.49	98		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG638032-4 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5										
Mercury, TCLP	ND	0.025	0.0253	101		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636695-3 QC Sample: L1318233-01 Client ID: DUP Sample						
Arsenic, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.00073J	0.00069J	mg/l	NC		20
Copper, Total	ND	0.00015J	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	0.00028J	0.00030J	mg/l	NC		20
Zinc, Total	0.00225J	0.00225J	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
Total Metals - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG637983-3 QC Sample: L1318159-01 Client ID: FB01_091313					
Mercury, Total	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637994-3 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.37J	0.38J	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.72	0.71	mg/l	1	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG638032-3 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-04	Date Collected:	09/13/13 13:15
Client ID:	G1_COMP-02S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318159
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318159-05	Date Collected:	09/13/13 13:20
Client ID:	G1_COMP-02D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-01
Client ID: FB01_091313
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/13/13 12:00
Date Received: 09/13/13
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	-	09/23/13 11:33	107,-	JO
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/15/13 15:00	09/16/13 14:12	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/14/13 18:30	09/14/13 18:52	1,7196A	EL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-02
Client ID: G1_SB-02A_2.5-3
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 12:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-03
Client ID: G1_SB-02A_8-8.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.6		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-04
Client ID: G1_COMP-02S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:15
Date Received: 09/13/13
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	43		mg/kg	0.88	0.88	1	-	09/23/13 11:29	107,-	JO
Solids, Total	90.5		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	09/18/13 12:55	09/18/13 16:14	1,9010C/9012A	JO
pH (H)	8.3		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.88	0.20	1	09/16/13 22:00	09/18/13 00:22	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:40	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318159-05
Client ID: G1_COMP-02D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:20
Date Received: 09/13/13
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	0.99	0.99	1	-	09/23/13 11:29	107,-	JO
Solids, Total	80.9		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.28	1	09/18/13 12:55	09/18/13 16:14	1,9010C/9012A	JO
pH (H)	8.9		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.99	0.22	1	09/16/13 22:00	09/18/13 00:23	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

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 Batch: WG636181-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/14/13 18:30	09/14/13 18:51	1,7196A	EL
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG636224-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/15/13 15:00	09/16/13 13:41	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG637101-1										
Cyanide, Total	ND		mg/kg	0.97	0.23	1	09/18/13 12:55	09/18/13 16:01	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG637207-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:46	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG637208-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:37	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG636181-2								
Chromium, Hexavalent	98		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG636224-4 WG636224-5								
Cyanide, Total	98		101		80-120	3		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG637101-2 WG637101-3								
Cyanide, Total	103		102		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG637207-2								
Cyanide, Reactive	36		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG637208-2								
Sulfide, Reactive	117		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318159
Report Date: 09/25/13

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 QC Batch ID: WG636181-4 QC Sample: L1318159-01 Client ID: FB01_091313												
Chromium, Hexavalent	ND	0.1	0.101	101		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636224-3 WG636224-2 QC Sample: L1318119-09 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.197	98		0.198	99		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637101-4 WG637101-5 QC Sample: L1318356-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	98		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG636181-3 QC Sample: L1318159-01 Client ID: FB01_091313						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: DUP Sample						
pH	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: G1_COMP-02S_0-5						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG636928-1 QC Sample: L1318159-02 Client ID: G1_SB-02A_2.5-3						
Solids, Total	88.5	89.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637207-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG637208-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 15:00

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318159-01A	Plastic 500ml HNO3 preserved	A	<2	4.1	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)
L1318159-01B	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	NYTCL-8082-1200ML(7)
L1318159-01C	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	HERB-APA(7)
L1318159-01D	Amber 500ml unpreserved	A	7	4.1	Y	Absent	NYTCL-8081(7)
L1318159-01E	Amber 1000ml unpreserved	A	7	4.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1318159-01F	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1318159-01G	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1318159-01H	Plastic 1000ml unpreserved	A	7	4.1	Y	Absent	HEXCR-7196(1),TRICR-CALC(1)
L1318159-01I	Plastic 250ml NaOH preserved	A	>12	4.1	Y	Absent	TCN-9010(14)
L1318159-01J	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1318159-02A	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-02B	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-02C	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-02D	Vial MeOH preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-02E	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-02F	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-02G	Plastic 2oz unpreserved for TS	A	N/A	4.1	Y	Absent	TS(7)
L1318159-03A	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-03B	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)
L1318159-03C	5 gram Encore Sampler	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318159-03D	Vial MeOH preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-03E	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-03F	Vial Water preserved split	A	N/A	4.1	Y	Absent	NYTCL-8260HLW(14)
L1318159-03G	Plastic 2oz unpreserved for TS	A	N/A	4.1	Y	Absent	TS(7)
L1318159-04A	Vial Large Septa unpreserved	A	N/A	4.1	Y	Absent	TPH-GRO(14)
L1318159-04B	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318159-04C	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318159-04X	Plastic 250ml HNO3 preserved spl	A	N/A	4.1	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318159-05A	Vial Large Septa unpreserved	A	N/A	4.1	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318159
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318159-05B	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318159-05C	Amber 500ml unpreserved	A	N/A	4.1	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318159-05X	Plastic 250ml HNO3 preserved spl	A	N/A	4.1	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318159-06A	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)
L1318159-06B	Vial HCl preserved	A	N/A	4.1	Y	Absent	NYTCL-8260(14)

Container Comments

L1318159-03C

L1318159-04B

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

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

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.
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.

Report Format: DU Report with "J" Qualifiers

Project Name: GREENPOINT LANDING **Lab Number:** L1318159

Project Number: 170229002 **Report Date:** 09/25/13

Data Qualifiers

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:** L1318159
Project Number: 170229002 **Report Date:** 09/25/13

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.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318159

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: 360 W 31st St. 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
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 #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/14/13 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	to NYCRR 375 unrestricted use SCO

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and part 375 parameters; 2) Provide category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 PAST	SVOC	PCB	Herb	Hexchrom, Trichrom	VOC	Total CN	TAL Metals	VOC	Temp Blank	Sample Specific Comments	Total # Bottles
16159-1	Field Blank	9/13/13	12:00	AQ	NB	X										FB01_091313	1
1	Field Blank		12:01		NB		X										1
1	Field Blank		12:02		NB			X									1
1	Field Blank		12:03		NB				X								1
1	Field Blank		12:04		NB					X							1
1	Field Blank		12:05		NB						X						3
1	Field Blank		12:06		NB							X					1
1	Field Blank		12:07		NB								X				1
NB	~~Field Blank~~ Trip Blank		12:08		NB									X			2
	Temp Blank	✓	12:09	✓	NB										X		1

Container Type												
Preservative												

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

COOLER B

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible] Tom Poole	9/13/13 2035	Tom Poole	9/13/13 2035
Tom Poole	9/13/13	BC	9/14/13 0020

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)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318159

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: 360 W 31st St, 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229.002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 20139613

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/14/13 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	6NYCRR 375 Unrestricted Use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC (Tal. metals, Total Cn, Hex Chrom, TS, Cyanide, TCLP, RCRA 8 Metals, RCRA Char.)	SVOC, PCB, Pest, Herb, TPH DRO	TPH GRO VOC	Sample Specific Comments	Total # Bottles
18159-2	G1_SB-02A_(2.5-3)	9/13/13	12:55	Soil	NB	X	X		G1_SB-02A_2.5-3	4
3	G1_SB-02A_(8-8.5)		13:00		NB	X	X		G1_SB-02A_8.8.5	4
4	G1_COMP-02S_0-5		13:15		NB	X	X X		G1_COMP-02S_0-5	3
5	G1_COMP_02D_5-10		13:20		NB	X	X X		G1_COMP-02D_5-10	3
6	TRIP BLANK							X	TB01_091313	2

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

-ks 9/24/13

COOLER B

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	[illegible]	9/13/13 2035
Tom Fisher		[illegible]	9/14/13 0010

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)

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318159

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: 360 W 31st St. 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
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 #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/14/13 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	to NYCRR 375 unrestricted use SCO

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and part 375 parameters; 2) Provide category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+ 8 PAST	SVOC	PCB	Herb	Hexchrom, Trichrom	VOC	Total CN	TAL Metals	VOC	Temp Blank	Sample Specific Comments	Total # Bottles
16159-1	Field Blank	9/13/13	12:00	AQ	NB	X											1
1	Field Blank		12:01		NB		X										1
1	Field Blank		12:02		NB			X									1
1	Field Blank		12:03		NB				X								1
1	Field Blank		12:04		NB					X							1
1	Field Blank		12:05		NB						X						3
1	Field Blank		12:06		NB							X					1
1	Field Blank		12:07		NB								X				1
NB	~~Field Blank~~ Trip Blank		12:08		NB									X			2
	Temp Blank	✓	12:09	✓	NB										X		1

Container Type												
Preservative												

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

COOLER B

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible] Tom Poole	9/13/13 2035	Tom Poole	9/13/13 2035
[illegible]	9/13/13	[illegible]	9/14/14 0020

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)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318159

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: 360 W 31st St, 8th floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: GWYKA@LANGAN.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing
Project Location: Brooklyn, NY
Project #: 170229.002
Project Manager: Mimi Raygorodetsky
ALPHA Quote #: 20139613

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/14/13 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	6NYCRR 375 Unrestricted Use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC (Ta/mxylenes, Tetrachl. Hex Chrom., TS, Chrom. TCLP, Metals, RCRA Char.)	SVOC, RCRA, PCB, Pest, Herb, TPH DRO	TPH GRO VOC	Sample Specific Comments	Total # Bottles
18159-2	GI-SB-02A-(2.5-3)	9/13/13	12:55	Soil	NB	X	X			4
3	GI-SB-02A-(8-8.5)		13:00		NB	X	X			4
4	GI-COMP-02S-0-5		13:15		NB	X	X X	X		3
5	GI-COMP-02D-5-10		13:20		NB	X	X X	X		3
6	TRIP BLANK							X		2

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

COOLER B

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	[illegible]	9/13/13 2035
Tom Fisher		[illegible]	9/14/13 0010

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:	L1318161
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:	10/03/13

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: L1318161
Report Date: 10/03/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318161-01	G1_SB-10B_4-4.5	BROOKLYN, NY	09/13/13 17:45
L1318161-02	G1_SB-10B_9.5-10	BROOKLYN, NY	09/13/13 17:50
L1318161-03	G1_COMP-10S_0-5	BROOKLYN, NY	09/13/13 18:00
L1318161-04	G1_COMP-10D_5-10	BROOKLYN, NY	09/13/13 18:05
L1318161-05	TB02_091313	BROOKLYN, NY	09/13/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318161
Project Number: 170229002 **Report Date:** 10/03/13

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 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.

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

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

Case Narrative (continued)

Report Submission

This report replaces the report issued September 25, 2013. At the client's request, the Client IDs were changed on L1318161-01 through -04.

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

Volatile Organics

L1318161-01: The internal standard (IS) response(s) for chlorobenzene-d5 (38%) and 1,4-dichlorobenzene-d4 (12%) and the surrogate recoveries for toluene-d8 (148%) and 4-bromofluorobenzene (182%) were outside the acceptance criteria; however, re-analysis achieved similar results for chlorobenzene-d5 (25%) and 1,4-dichlorobenzene-d4 (6%) and the surrogate recoveries for toluene-d8 (190%) and 4-bromofluorobenzene (201%). The results of both analyses are reported.

Organochlorine Pesticides

L1318161-03 and -04 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318161-03 and -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318161-03 and -04, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

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: Cynthia McQueen

Title: Technical Director/Representative

Date: 10/03/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-01	Date Collected:	09/13/13 17:45
Client ID:	G1_SB-10B_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 21:08		
Analyst:	PP		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.8	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.25	1
Chloroform	ND		ug/kg	2.1	0.52	1
Carbon tetrachloride	ND		ug/kg	1.4	0.30	1
1,2-Dichloropropane	ND		ug/kg	4.9	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.43	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.43	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.49	1
Trichlorofluoromethane	ND		ug/kg	7.0	0.17	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.16	1
Bromodichloromethane	ND		ug/kg	1.4	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.0	0.64	1
Bromoform	ND		ug/kg	5.6	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.24	1
Benzene	ND		ug/kg	1.4	0.17	1
Toluene	ND		ug/kg	2.1	0.16	1
Ethylbenzene	ND		ug/kg	1.4	0.21	1
Chloromethane	11		ug/kg	7.0	1.1	1
Bromomethane	ND		ug/kg	2.8	0.48	1
Vinyl chloride	ND		ug/kg	2.8	0.20	1
Chloroethane	ND		ug/kg	2.8	0.44	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.30	1
Trichloroethene	ND		ug/kg	1.4	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	7.0	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.0	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	7.0	0.34	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-01 Date Collected: 09/13/13 17:45

Client ID: G1_SB-10B_4-4.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.8	0.15	1
p/m-Xylene	ND		ug/kg	2.8	0.45	1
o-Xylene	ND		ug/kg	2.8	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.21	1
Dibromomethane	ND		ug/kg	14	0.23	1
Styrene	ND		ug/kg	2.8	0.44	1
Dichlorodifluoromethane	ND		ug/kg	14	0.31	1
Acetone	8.2	J	ug/kg	14	4.4	1
Carbon disulfide	11	J	ug/kg	14	2.8	1
2-Butanone	ND		ug/kg	14	0.50	1
Vinyl acetate	ND		ug/kg	14	0.67	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.34	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.32	1
2-Hexanone	ND		ug/kg	14	0.26	1
Bromochloromethane	ND		ug/kg	7.0	0.28	1
2,2-Dichloropropane	ND		ug/kg	7.0	0.32	1
1,2-Dibromoethane	ND		ug/kg	5.6	0.25	1
1,3-Dichloropropane	ND		ug/kg	7.0	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.45	1
Bromobenzene	ND		ug/kg	7.0	0.29	1
n-Butylbenzene	ND		ug/kg	1.4	0.28	1
sec-Butylbenzene	ND		ug/kg	1.4	0.29	1
tert-Butylbenzene	ND		ug/kg	7.0	0.79	1
o-Chlorotoluene	ND		ug/kg	7.0	0.22	1
p-Chlorotoluene	ND		ug/kg	7.0	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.0	1.1	1
Hexachlorobutadiene	ND		ug/kg	7.0	0.59	1
Isopropylbenzene	ND		ug/kg	1.4	0.24	1
p-Isopropyltoluene	10		ug/kg	1.4	0.27	1
Naphthalene	18		ug/kg	7.0	1.1	1
Acrylonitrile	ND		ug/kg	14	0.33	1
n-Propylbenzene	ND		ug/kg	1.4	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.0	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.0	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.0	0.81	1
Methyl Acetate	ND		ug/kg	28	1.1	1
Cyclohexane	ND		ug/kg	28	1.5	1
1,4-Dioxane	ND		ug/kg	140	24.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-01	Date Collected:	09/13/13 17:45
Client ID:	G1_SB-10B_4-4.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	28	0.38	1
p-Diethylbenzene	ND		ug/kg	5.6	0.22	1
p-Ethyltoluene	ND		ug/kg	5.6	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.6	0.18	1
Ethyl ether	ND		ug/kg	7.0	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.0	0.63	1
Methyl cyclohexane	ND		ug/kg	5.6	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	**148**	Q	70-130
4-Bromofluorobenzene	**182**	Q	70-130
Dibromofluoromethane	108		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-01	R	Date Collected:	09/13/13 17:45
Client ID:	G1_SB-10B_4-4.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	09/23/13 15:23			
Analyst:	PP			
Percent Solids:	94%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.0	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.26	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	0.46	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	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.4	0.18	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.16	1
Bromodichloromethane	ND		ug/kg	1.5	0.34	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.4	0.68	1
Bromoform	ND		ug/kg	5.9	0.62	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.25	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	1.2	J	ug/kg	2.2	0.17	1
Ethylbenzene	ND		ug/kg	1.5	0.22	1
Chloromethane	36		ug/kg	7.4	1.2	1
Bromomethane	ND		ug/kg	3.0	0.50	1
Vinyl chloride	ND		ug/kg	3.0	0.21	1
Chloroethane	ND		ug/kg	3.0	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.31	1
Trichloroethene	ND		ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	7.4	0.36	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-01 R Date Collected: 09/13/13 17:45

Client ID: G1_SB-10B_4-4.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.0	0.15	1
p/m-Xylene	ND		ug/kg	3.0	0.48	1
o-Xylene	ND		ug/kg	3.0	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.24	1
Styrene	ND		ug/kg	3.0	0.46	1
Dichlorodifluoromethane	ND		ug/kg	15	0.32	1
Acetone	14	J	ug/kg	15	4.6	1
Carbon disulfide	36		ug/kg	15	3.0	1
2-Butanone	ND		ug/kg	15	0.53	1
Vinyl acetate	ND		ug/kg	15	0.71	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.36	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.33	1
2-Hexanone	ND		ug/kg	15	0.28	1
Bromochloromethane	ND		ug/kg	7.4	0.29	1
2,2-Dichloropropane	ND		ug/kg	7.4	0.34	1
1,2-Dibromoethane	ND		ug/kg	5.9	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.4	0.26	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	0.29	1
sec-Butylbenzene	ND		ug/kg	1.5	0.30	1
tert-Butylbenzene	ND		ug/kg	7.4	0.83	1
o-Chlorotoluene	ND		ug/kg	7.4	0.24	1
p-Chlorotoluene	ND		ug/kg	7.4	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.4	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.4	0.63	1
Isopropylbenzene	ND		ug/kg	1.5	0.25	1
p-Isopropyltoluene	34		ug/kg	1.5	0.28	1
Naphthalene	50		ug/kg	7.4	1.1	1
Acrylonitrile	ND		ug/kg	15	0.35	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.4	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.4	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.4	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.4	0.85	1
Methyl Acetate	ND		ug/kg	30	1.1	1
Cyclohexane	ND		ug/kg	30	1.6	1
1,4-Dioxane	ND		ug/kg	150	26.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-01	R	Date Collected:	09/13/13 17:45
Client ID:	G1_SB-10B_4-4.5		Date Received:	09/13/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
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	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.9	0.19	1
Ethyl ether	ND		ug/kg	7.4	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.4	0.66	1
Methyl cyclohexane	ND		ug/kg	5.9	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	**190**	Q	70-130
4-Bromofluorobenzene	**201**	Q	70-130
Dibromofluoromethane	115		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-02	Date Collected:	09/13/13 17:50
Client ID:	G1_SB-10B_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 21:36		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.2	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.92	0.19	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.92	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.92	0.13	1
Chlorobenzene	ND		ug/kg	0.92	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	0.92	0.10	1
Bromodichloromethane	ND		ug/kg	0.92	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.92	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.92	0.16	1
Benzene	ND		ug/kg	0.92	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.92	0.14	1
Chloromethane	ND		ug/kg	4.6	0.72	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.92	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-02 Date Collected: 09/13/13 17:50

Client ID: G1_SB-10B_9.5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.14	1
Dibromomethane	ND		ug/kg	9.2	0.15	1
Styrene	ND		ug/kg	1.8	0.28	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.20	1
Acetone	6.3	J	ug/kg	9.2	2.9	1
Carbon disulfide	ND		ug/kg	9.2	1.8	1
2-Butanone	ND		ug/kg	9.2	0.33	1
Vinyl acetate	ND		ug/kg	9.2	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	9.2	0.21	1
2-Hexanone	ND		ug/kg	9.2	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.92	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.92	0.18	1
sec-Butylbenzene	ND		ug/kg	0.92	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.92	0.15	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.2	0.22	1
n-Propylbenzene	ND		ug/kg	0.92	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Methyl Acetate	ND		ug/kg	18	0.70	1
Cyclohexane	ND		ug/kg	18	0.99	1
1,4-Dioxane	ND		ug/kg	92	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-02	Date Collected:	09/13/13 17:50
Client ID:	G1_SB-10B_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.25	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	ND		ug/kg	4.6	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.41	1
Methyl cyclohexane	ND		ug/kg	3.7	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	87		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-05	Date Collected:	09/13/13 00:00
Client ID:	TB02_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 18:02		
Analyst:	PD		

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	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-05 Date Collected: 09/13/13 00:00

Client ID: TB02_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	2.6	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	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	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-05	Date Collected:	09/13/13 00:00
Client ID:	TB02_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
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	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
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	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
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
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

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
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	0.24
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	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638254-6					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638254-6					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638254-6					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
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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): 05 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
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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): 05 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

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
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
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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): 01-02 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

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 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

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
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

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 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		88		50-139	1		30
1,4-Diethylbenzene	99		99		70-130	0		30
4-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318161

Report Date: 10/03/13

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 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638254-4 WG638254-5								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/24/13 03:00		
Analyst:	PS		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	830		ug/kg	180	46.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	73.	1
Hexachlorobenzene	ND		ug/kg	130	41.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	62.	1
2-Chloronaphthalene	ND		ug/kg	220	72.	1
1,2-Dichlorobenzene	ND		ug/kg	220	73.	1
1,3-Dichlorobenzene	ND		ug/kg	220	70.	1
1,4-Dichlorobenzene	ND		ug/kg	220	68.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	48.	1
2,6-Dinitrotoluene	ND		ug/kg	220	57.	1
Fluoranthene	3600		ug/kg	130	41.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	68.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	51.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	78.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	67.	1
Hexachlorobutadiene	ND		ug/kg	220	63.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	140	1
Hexachloroethane	ND		ug/kg	180	40.	1
Isophorone	ND		ug/kg	200	59.	1
Naphthalene	8300		ug/kg	220	74.	1
Nitrobenzene	ND		ug/kg	200	53.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	180	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	66.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	220	58.	1
Butyl benzyl phthalate	ND		ug/kg	220	43.	1
Di-n-butylphthalate	44	J	ug/kg	220	43.	1
Di-n-octylphthalate	ND		ug/kg	220	55.	1
Diethyl phthalate	ND		ug/kg	220	47.	1
Dimethyl phthalate	ND		ug/kg	220	56.	1
Benzo(a)anthracene	1400		ug/kg	130	44.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-03 Date Collected: 09/13/13 18:00

Client ID: G1_COMP-10S_0-5 Date Received: 09/13/13

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)pyrene	1300		ug/kg	180	54.	1
Benzo(b)fluoranthene	1600		ug/kg	130	45.	1
Benzo(k)fluoranthene	780		ug/kg	130	42.	1
Chrysene	1500		ug/kg	130	44.	1
Acenaphthylene	150	J	ug/kg	180	42.	1
Anthracene	1000		ug/kg	130	37.	1
Benzo(ghi)perylene	880		ug/kg	180	46.	1
Fluorene	720		ug/kg	220	64.	1
Phenanthrene	3500		ug/kg	130	43.	1
Dibenzo(a,h)anthracene	250		ug/kg	130	43.	1
Indeno(1,2,3-cd)Pyrene	930		ug/kg	180	49.	1
Pyrene	2900		ug/kg	130	43.	1
Biphenyl	240	J	ug/kg	510	73.	1
4-Chloroaniline	ND		ug/kg	220	59.	1
2-Nitroaniline	ND		ug/kg	220	63.	1
3-Nitroaniline	ND		ug/kg	220	61.	1
4-Nitroaniline	ND		ug/kg	220	60.	1
Dibenzofuran	620		ug/kg	220	74.	1
2-Methylnaphthalene	1200		ug/kg	270	71.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	69.	1
Acetophenone	ND		ug/kg	220	69.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
P-Chloro-M-Cresol	ND		ug/kg	220	64.	1
2-Chlorophenol	ND		ug/kg	220	67.	1
2,4-Dichlorophenol	ND		ug/kg	200	72.	1
2,4-Dimethylphenol	ND		ug/kg	220	66.	1
2-Nitrophenol	ND		ug/kg	480	69.	1
4-Nitrophenol	ND		ug/kg	310	72.	1
2,4-Dinitrophenol	ND		ug/kg	1100	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	81.	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	66.	1
2-Methylphenol	ND		ug/kg	220	72.	1
3-Methylphenol/4-Methylphenol	230	J	ug/kg	320	73.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	72.	1
Benzoic Acid	ND		ug/kg	720	220	1
Benzyl Alcohol	ND		ug/kg	220	68.	1
Carbazole	530		ug/kg	220	48.	1
Benzaldehyde	660		ug/kg	290	90.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	220	61.	1
Atrazine	ND		ug/kg	180	50.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	80		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04 D2	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/25/13 03:17		
Analyst:	PS		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	180000		ug/kg	6500	2000	50
Benzo(b)fluoranthene	88000		ug/kg	6500	2200	50
Phenanthrene	220000		ug/kg	6500	2100	50
Pyrene	140000		ug/kg	6500	2100	50

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04 D	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/19/13 02:13
Analytical Date:	09/24/13 03:28		
Analyst:	PS		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	22000		ug/kg	1700	440	10
1,2,4-Trichlorobenzene	ND		ug/kg	2200	710	10
Hexachlorobenzene	ND		ug/kg	1300	400	10
Bis(2-chloroethyl)ether	ND		ug/kg	1900	600	10
2-Chloronaphthalene	ND		ug/kg	2200	700	10
1,2-Dichlorobenzene	ND		ug/kg	2200	710	10
1,3-Dichlorobenzene	ND		ug/kg	2200	680	10
1,4-Dichlorobenzene	ND		ug/kg	2200	660	10
3,3'-Dichlorobenzidine	ND		ug/kg	2200	570	10
2,4-Dinitrotoluene	ND		ug/kg	2200	460	10
2,6-Dinitrotoluene	ND		ug/kg	2200	550	10
Fluoranthene	160000	E	ug/kg	1300	400	10
4-Chlorophenyl phenyl ether	ND		ug/kg	2200	660	10
4-Bromophenyl phenyl ether	ND		ug/kg	2200	500	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2600	760	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2300	650	10
Hexachlorobutadiene	ND		ug/kg	2200	610	10
Hexachlorocyclopentadiene	ND		ug/kg	6200	1400	10
Hexachloroethane	ND		ug/kg	1700	390	10
Isophorone	ND		ug/kg	1900	570	10
Naphthalene	35000		ug/kg	2200	720	10
Nitrobenzene	ND		ug/kg	1900	510	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1700	450	10
n-Nitrosodi-n-propylamine	ND		ug/kg	2200	640	10
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	2200	560	10
Butyl benzyl phthalate	ND		ug/kg	2200	420	10
Di-n-butylphthalate	ND		ug/kg	2200	420	10
Di-n-octylphthalate	ND		ug/kg	2200	530	10
Diethyl phthalate	ND		ug/kg	2200	460	10
Dimethyl phthalate	ND		ug/kg	2200	550	10
Benzo(a)anthracene	80000		ug/kg	1300	420	10

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-04 D Date Collected: 09/13/13 18:05

Client ID: G1_COMP-10D_5-10 Date Received: 09/13/13

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)pyrene	82000		ug/kg	1700	530	10
Benzo(b)fluoranthene	100000	E	ug/kg	1300	440	10
Benzo(k)fluoranthene	35000		ug/kg	1300	410	10
Chrysene	75000		ug/kg	1300	420	10
Acenaphthylene	4300		ug/kg	1700	400	10
Anthracene	44000		ug/kg	1300	360	10
Benzo(ghi)perylene	57000		ug/kg	1700	450	10
Fluorene	28000		ug/kg	2200	620	10
Phenanthrene	150000	E	ug/kg	1300	420	10
Dibenzo(a,h)anthracene	20000		ug/kg	1300	420	10
Indeno(1,2,3-cd)Pyrene	66000		ug/kg	1700	480	10
Pyrene	130000	E	ug/kg	1300	420	10
Biphenyl	4000	J	ug/kg	4900	710	10
4-Chloroaniline	ND		ug/kg	2200	570	10
2-Nitroaniline	ND		ug/kg	2200	610	10
3-Nitroaniline	ND		ug/kg	2200	590	10
4-Nitroaniline	ND		ug/kg	2200	580	10
Dibenzofuran	25000		ug/kg	2200	720	10
2-Methylnaphthalene	11000		ug/kg	2600	690	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2200	670	10
Acetophenone	ND		ug/kg	2200	670	10
2,4,6-Trichlorophenol	ND		ug/kg	1300	410	10
P-Chloro-M-Cresol	ND		ug/kg	2200	620	10
2-Chlorophenol	ND		ug/kg	2200	650	10
2,4-Dichlorophenol	ND		ug/kg	1900	700	10
2,4-Dimethylphenol	ND		ug/kg	2200	640	10
2-Nitrophenol	ND		ug/kg	4600	670	10
4-Nitrophenol	ND		ug/kg	3000	700	10
2,4-Dinitrophenol	ND		ug/kg	10000	2900	10
4,6-Dinitro-o-cresol	ND		ug/kg	5600	790	10
Pentachlorophenol	ND		ug/kg	1700	460	10
Phenol	ND		ug/kg	2200	640	10
2-Methylphenol	ND		ug/kg	2200	690	10
3-Methylphenol/4-Methylphenol	870	J	ug/kg	3100	710	10
2,4,5-Trichlorophenol	ND		ug/kg	2200	700	10
Benzoic Acid	ND		ug/kg	7000	2200	10
Benzyl Alcohol	ND		ug/kg	2200	660	10
Carbazole	28000		ug/kg	2200	460	10
Benzaldehyde	ND		ug/kg	2800	870	10

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-04 D
Client ID: G1_COMP-10D_5-10
Sample Location: BROOKLYN, NY

Date Collected: 09/13/13 18:05
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	2200	590	10
Atrazine	ND		ug/kg	1700	490	10
2,3,4,6-Tetrachlorophenol	ND		ug/kg	2200	370	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	**159**	Q	23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	117		0-136
4-Terphenyl-d14	60		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG637279-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	550	130
n-Nitrosodimethylamine	ND		ug/kg	330	54.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
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	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
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	41.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG637279-1					
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/20/13 10:45
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/19/13 02:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG637279-1					
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
Parathion, ethyl	ND		ug/kg	160	66.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	84		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								
Acenaphthene	97		100		31-137	3		50
Benzidine	48		49			2		50
n-Nitrosodimethylamine	89		91			2		50
1,2,4-Trichlorobenzene	93		96		38-107	3		50
Hexachlorobenzene	98		100		40-140	2		50
Bis(2-chloroethyl)ether	88		90		40-140	2		50
2-Chloronaphthalene	94		97		40-140	3		50
1,2-Dichlorobenzene	92		94		40-140	2		50
1,3-Dichlorobenzene	91		94		40-140	3		50
1,4-Dichlorobenzene	91		93		28-104	2		50
3,3'-Dichlorobenzidine	82		84		40-140	2		50
2,4-Dinitrotoluene	**101**	Q	**105**	Q	28-89	4		50
2,6-Dinitrotoluene	99		104		40-140	5		50
Fluoranthene	104		108		40-140	4		50
4-Chlorophenyl phenyl ether	98		101		40-140	3		50
4-Bromophenyl phenyl ether	100		104		40-140	4		50
Azobenzene	96		98		40-140	2		50
Bis(2-chloroisopropyl)ether	88		90		40-140	2		50
Bis(2-chloroethoxy)methane	91		92		40-117	1		50
Hexachlorobutadiene	94		100		40-140	6		50
Hexachlorocyclopentadiene	107		112		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								
Hexachloroethane	91		94		40-140	3		50
Isophorone	92		95		40-140	3		50
Naphthalene	94		98		40-140	4		50
Nitrobenzene	109		114		40-140	4		50
NitrosoDiPhenylAmine(NDPA)/DPA	103		106			3		50
n-Nitrosodi-n-propylamine	93		96		32-121	3		50
Bis(2-Ethylhexyl)phthalate	110		**170**	Q	40-140	43		50
Butyl benzyl phthalate	110		113		40-140	3		50
Di-n-butylphthalate	114		118		40-140	3		50
Di-n-octylphthalate	115		120		40-140	4		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	99		104		40-140	5		50
Benzo(a)anthracene	99		106		40-140	7		50
Benzo(a)pyrene	108		114		40-140	5		50
Benzo(b)fluoranthene	107		110		40-140	3		50
Benzo(k)fluoranthene	101		107		40-140	6		50
Chrysene	99		100		40-140	1		50
Acenaphthylene	100		103		40-140	3		50
Anthracene	107		111		40-140	4		50
Benzo(ghi)perylene	101		108		40-140	7		50
Fluorene	98		103		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								
Phenanthrene	99		103		40-140	4		50
Dibenzo(a,h)anthracene	111		114		40-140	3		50
Indeno(1,2,3-cd)Pyrene	102		110		40-140	8		50
Pyrene	101		103		35-142	2		50
Biphenyl	105		108			3		50
Aniline	81		84		40-140	4		50
4-Chloroaniline	72		70		40-140	3		50
2-Nitroaniline	103		106		47-134	3		50
3-Nitroaniline	63		63		26-129	0		50
4-Nitroaniline	97		101		41-125	4		50
Dibenzofuran	97		101		40-140	4		50
2-Methylnaphthalene	92		94		40-140	2		50
1,2,4,5-Tetrachlorobenzene	103		107		40-117	4		50
Acetophenone	100		105		14-144	5		50
2,4,6-Trichlorophenol	114		119		30-130	4		50
P-Chloro-M-Cresol	**109**	Q	**112**	Q	26-103	3		50
2-Chlorophenol	100		**104**	Q	25-102	4		50
2,4-Dichlorophenol	109		114		30-130	4		50
2,4-Dimethylphenol	101		106		30-130	5		50
2-Nitrophenol	102		107		30-130	5		50
4-Nitrophenol	**119**	Q	**123**	Q	11-114	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								
2,4-Dinitrophenol	114		125		4-130	9		50
4,6-Dinitro-o-cresol	106		115		10-130	8		50
Pentachlorophenol	102		107		17-109	5		50
Phenol	**100**	Q	**102**	Q	26-90	2		50
2-Methylphenol	103		106		30-130.	3		50
3-Methylphenol/4-Methylphenol	110		113		30-130	3		50
2,4,5-Trichlorophenol	109		114		30-130	4		50
Benzoic Acid	86		94			9		50
Benzyl Alcohol	94		101		40-140	7		50
Carbazole	101		103		54-128	2		50
Benzaldehyde	94		94			0		50
Caprolactam	109		114			4		50
Atrazine	119		126			6		50
2,3,4,6-Tetrachlorophenol	113		114			1		50
Pyridine	78		78		10-93	0		50
Parathion, ethyl	129		134		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG637279-2 WG637279-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	104		107		25-120
Phenol-d6	99		102		10-120
Nitrobenzene-d5	94		98		23-120
2-Fluorobiphenyl	98		101		30-120
2,4,6-Tribromophenol	104		108		0-136
4-Terphenyl-d14	90		93		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/19/13 13:11		
Analyst:	AR		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	414000		ug/kg	43800	4280	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	87		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/21/13 20:57		
Analyst:	JV		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	30000		ug/kg	3400	66.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		70-130
4-Bromofluorobenzene	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 17:56		
Analyst:	GT		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	700	J	ug/kg	3300	63.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	88		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04 D	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/19/13 02:34		
Analyst:	AR		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	2430000		ug/kg	428000	41900	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	90		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 11:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 03-04 Batch: WG636471-1					
TPH	ND		ug/kg	32200	3160

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/20/13 10:26
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 04 Batch: WG637313-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81		70-130
4-Bromofluorobenzene	86		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/21/13 12:48
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 03 Batch: WG637987-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	78		70-130
4-Bromofluorobenzene	80		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03-04 Batch: WG636471-2								
TPH	109		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04 Batch: WG637313-1 WG637313-2								
Gasoline Range Organics	94		104		80-120	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	92		101		70-130
4-Bromofluorobenzene	92		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03 Batch: WG637987-1 WG637987-2								
Gasoline Range Organics	104		105		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	93		100		70-130
4-Bromofluorobenzene	88		108		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04 QC Batch ID: WG637313-5 QC Sample: L1318253-02 Client ID: MS Sample												
Gasoline Range Organics	8600	23100	30000	91		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81				70-130
4-Bromofluorobenzene	83				70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03 QC Batch ID: WG637987-5 QC Sample: L1318158-03 Client ID: MS Sample												
Gasoline Range Organics	610J	23900	25000	106		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100				70-130
4-Bromofluorobenzene	98				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG636471-3 QC Sample: L1318095-01 Client ID: DUP Sample						
TPH	78100	64800	ug/kg	19		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		105		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04 QC Batch ID: WG637313-4 QC Sample: L1318253-02 Client ID: DUP Sample						
Gasoline Range Organics	8600	13000	ug/kg	**39**	Q	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		80		70-130
4-Bromofluorobenzene	79		83		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03 QC Batch ID: WG637987-4 QC Sample: L1318158-03 Client ID: DUP Sample					
Gasoline Range Organics	610J	1400J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		87		70-130
4-Bromofluorobenzene	81		93		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 03:55	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	73%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.9	8.88	1	A
Aroclor 1221	ND		ug/kg	44.9	13.6	1	A
Aroclor 1232	ND		ug/kg	44.9	9.55	1	A
Aroclor 1242	ND		ug/kg	44.9	8.53	1	A
Aroclor 1248	ND		ug/kg	44.9	5.44	1	A
Aroclor 1254	ND		ug/kg	44.9	7.08	1	A
Aroclor 1260	ND		ug/kg	44.9	7.80	1	A
Aroclor 1262	ND		ug/kg	44.9	3.32	1	A
Aroclor 1268	ND		ug/kg	44.9	6.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 04:08	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	77%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.0	8.10	1	A
Aroclor 1221	ND		ug/kg	41.0	12.4	1	A
Aroclor 1232	ND		ug/kg	41.0	8.71	1	A
Aroclor 1242	ND		ug/kg	41.0	7.79	1	A
Aroclor 1248	ND		ug/kg	41.0	4.96	1	A
Aroclor 1254	ND		ug/kg	41.0	6.47	1	A
Aroclor 1260	ND		ug/kg	41.0	7.12	1	A
Aroclor 1262	ND		ug/kg	41.0	3.03	1	A
Aroclor 1268	ND		ug/kg	41.0	5.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	37		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318161

Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 11:32	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	226	27.5	1	A
2,4,5-T	ND		ug/kg	226	14.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	226	12.5	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	67		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03 D	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:05
Analytical Date:	09/20/13 10:50	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	20.9	4.10	10	A
Lindane	ND		ug/kg	8.72	3.90	10	A
Alpha-BHC	ND		ug/kg	8.72	2.48	10	A
Beta-BHC	ND		ug/kg	20.9	7.94	10	A
Heptachlor	ND		ug/kg	10.5	4.69	10	A
Aldrin	ND		ug/kg	20.9	7.37	10	A
Heptachlor epoxide	ND		ug/kg	39.3	11.8	10	A
Endrin	ND		ug/kg	8.72	3.58	10	A
Endrin ketone	ND		ug/kg	20.9	5.39	10	A
Dieldrin	ND		ug/kg	13.1	6.54	10	A
4,4'-DDE	ND		ug/kg	20.9	4.84	10	A
4,4'-DDD	ND		ug/kg	20.9	7.47	10	A
4,4'-DDT	21.1	J	ug/kg	39.3	16.8	10	A
Endosulfan I	ND		ug/kg	20.9	4.95	10	A
Endosulfan II	ND		ug/kg	20.9	7.00	10	A
Endosulfan sulfate	ND		ug/kg	8.72	3.99	10	A
Methoxychlor	ND		ug/kg	39.3	12.2	10	A
Toxaphene	ND		ug/kg	393	110.	10	A
cis-Chlordane	ND		ug/kg	26.2	7.29	10	A
trans-Chlordane	ND		ug/kg	26.2	6.91	10	A
Chlordane	ND		ug/kg	170	69.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	141		30-150	A
Decachlorobiphenyl	**180**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/19/13 10:50
Analytical Date:	09/20/13 12:12	Methylation Date:	09/20/13 00:18
Analyst:	SH		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	212	25.8	1	A
2,4,5-T	ND		ug/kg	212	13.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	212	11.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	76		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04 D	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:05
Analytical Date:	09/20/13 11:03	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	19.8	3.88	10	A
Lindane	ND		ug/kg	8.25	3.69	10	A
Alpha-BHC	ND		ug/kg	8.25	2.34	10	A
Beta-BHC	ND		ug/kg	19.8	7.50	10	A
Heptachlor	ND		ug/kg	9.90	4.44	10	A
Aldrin	ND		ug/kg	19.8	6.97	10	A
Heptachlor epoxide	ND		ug/kg	37.1	11.1	10	A
Endrin	ND		ug/kg	8.25	3.38	10	A
Endrin ketone	ND		ug/kg	19.8	5.10	10	A
Dieldrin	ND		ug/kg	12.4	6.18	10	A
4,4'-DDE	ND		ug/kg	19.8	4.58	10	A
4,4'-DDD	ND		ug/kg	19.8	7.06	10	A
4,4'-DDT	ND		ug/kg	37.1	15.9	10	A
Endosulfan I	ND		ug/kg	19.8	4.68	10	A
Endosulfan II	ND		ug/kg	19.8	6.61	10	A
Endosulfan sulfate	ND		ug/kg	8.25	3.77	10	A
Methoxychlor	ND		ug/kg	37.1	11.5	10	A
Toxaphene	ND		ug/kg	371	104.	10	A
cis-Chlordane	ND		ug/kg	24.7	6.89	10	A
trans-Chlordane	ND		ug/kg	24.7	6.53	10	A
Chlordane	ND		ug/kg	161	65.6	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	123		30-150	A
Decachlorobiphenyl	**307**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 09:34
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/18/13 19:05
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-04 Batch: WG637232-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.642	0.287	A
Alpha-BHC	ND		ug/kg	0.642	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.584	A
Heptachlor	ND		ug/kg	0.770	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.89	0.866	A
Endrin	ND		ug/kg	0.642	0.263	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.963	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	2.89	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.642	0.293	A
Methoxychlor	ND		ug/kg	2.89	0.898	A
Toxaphene	ND		ug/kg	28.9	8.09	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.5	5.10	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/20/13 06:34
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/19/13 10:50

Methylation Date: 09/20/13 00:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-04 Batch: WG637388-1						
2,4-D	ND		ug/kg	163	19.8	A
2,4,5-T	ND		ug/kg	163	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	163	8.98	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	83		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

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: WG637232-2 WG637232-3									
Delta-BHC	76		82		30-150	8		30	A
Lindane	68		81		30-150	17		30	A
Alpha-BHC	74		77		30-150	4		30	A
Beta-BHC	78		82		30-150	5		30	A
Heptachlor	79		83		30-150	5		30	A
Aldrin	78		82		30-150	5		30	A
Heptachlor epoxide	69		73		30-150	6		30	A
Endrin	80		85		30-150	6		30	A
Endrin ketone	69		72		30-150	4		30	A
Dieldrin	72		77		30-150	7		30	A
4,4'-DDE	70		74		30-150	6		30	A
4,4'-DDD	72		77		30-150	7		30	A
4,4'-DDT	72		75		30-150	4		30	A
Endosulfan I	72		76		30-150	5		30	A
Endosulfan II	64		67		30-150	5		30	A
Endosulfan sulfate	67		70		30-150	4		30	A
Methoxychlor	70		74		30-150	6		30	A
cis-Chlordane	71		77		30-150	8		30	A
trans-Chlordane	72		76		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

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: WG637232-2 WG637232-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		82		30-150	A
Decachlorobiphenyl	102		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		76		30-150	B
Decachlorobiphenyl	117		137		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG637388-2 WG637388-3									
Dicamba	77		91		30-150	17		30	A
2,4-D	100		122		30-150	20		30	A
2,4,5-T	96		112		30-150	15		30	A
2,4,5-TP (Silvex)	99		115		30-150	15		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	97		115		30-150	A
DCAA	76		94		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/20/13 15:00
Percent Solids:	73%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Barium, TCLP	0.25	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Lead, TCLP	0.24	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:25	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 13:49	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-03
Client ID: G1_COMP-10S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 73%

Date Collected: 09/13/13 18:00
Date Received: 09/13/13
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	6700		mg/kg	11	2.1	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	5.3	0.85	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Arsenic, Total	16		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Barium, Total	150		mg/kg	1.1	0.32	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Beryllium, Total	0.52	J	mg/kg	0.53	0.11	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Cadmium, Total	0.69	J	mg/kg	1.1	0.08	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Calcium, Total	14000		mg/kg	11	3.2	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Chromium, Total	26		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Cobalt, Total	4.9		mg/kg	2.1	0.53	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Copper, Total	66		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Iron, Total	20000		mg/kg	5.3	2.1	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Lead, Total	210		mg/kg	5.3	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Magnesium, Total	2700		mg/kg	11	1.1	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Manganese, Total	140		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Mercury, Total	0.47		mg/kg	0.11	0.02	1	09/21/13 12:30	09/23/13 10:22	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.7	0.43	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Potassium, Total	930		mg/kg	270	43.	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Selenium, Total	1.7	J	mg/kg	2.1	0.32	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	1.1	0.21	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Sodium, Total	420		mg/kg	210	32.	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.1	0.43	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Vanadium, Total	46		mg/kg	1.1	0.11	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT
Zinc, Total	110		mg/kg	5.3	0.75	2	09/19/13 11:28	09/19/13 19:57	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/20/13 15:00
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Barium, TCLP	0.13	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Lead, TCLP	0.22	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:27	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 13:53	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318161
Project Number: 170229002
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-04
Client ID: G1_COMP-10D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 77%

Date Collected: 09/13/13 18:05
Date Received: 09/13/13
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	12000		mg/kg	9.9	2.0	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	5.0	0.79	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Arsenic, Total	13		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Barium, Total	180		mg/kg	0.99	0.30	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Beryllium, Total	1.0		mg/kg	0.50	0.10	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Cadmium, Total	1.2		mg/kg	0.99	0.07	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Calcium, Total	14000		mg/kg	9.9	3.0	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Chromium, Total	29		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Cobalt, Total	20		mg/kg	2.0	0.50	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Copper, Total	180		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Iron, Total	20000		mg/kg	5.0	2.0	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Lead, Total	370		mg/kg	5.0	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Magnesium, Total	3000		mg/kg	9.9	0.99	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Manganese, Total	800		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Mercury, Total	0.91		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:24	EPA 7471B	1,7471B	MC
Nickel, Total	29		mg/kg	2.5	0.40	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Potassium, Total	1700		mg/kg	250	40.	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Selenium, Total	0.80	J	mg/kg	2.0	0.30	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.99	0.20	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Sodium, Total	460		mg/kg	200	30.	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.40	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Vanadium, Total	26		mg/kg	0.99	0.10	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT
Zinc, Total	240		mg/kg	5.0	0.69	2	09/19/13 11:28	09/19/13 20:01	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

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): 03-04 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2		mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	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): 03-04 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-04 Batch: WG637994-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Barium, TCLP	0.05	J	mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Lead, TCLP	0.02	J	mg/l	0.50	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/21/13 10:20	09/21/13 12:56	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/20/13 15:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-04 Batch: WG638032-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:15	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/20/13 15:00

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG637410-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	90		-		83-117	-		
Chromium, Total	92		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	78		-		74-126	-		
Manganese, Total	97		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	105		-		66-134	-		
Sodium, Total	106		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	89		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 Batch: WG637994-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	108	-	75-125	-	20
Selenium, TCLP	117	-	75-125	-	20
Silver, TCLP	102	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 Batch: WG638032-2					
Mercury, TCLP	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

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): 03-04 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample												
Aluminum, Total	1500	194	2700	**618**	Q	-	-		75-125	-		35
Antimony, Total	4.4J	48.5	52	107		-	-		75-125	-		35
Arsenic, Total	12.	11.6	23	86		-	-		75-125	-		35
Barium, Total	360	194	670	**154**	Q	-	-		75-125	-		35
Beryllium, Total	0.22J	4.85	5.1	105		-	-		75-125	-		35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-		75-125	-		35
Calcium, Total	620	971	4700	**419**	Q	-	-		75-125	-		35
Chromium, Total	14.	19.4	27	**62**	Q	-	-		75-125	-		35
Cobalt, Total	3.4	48.5	49	94		-	-		75-125	-		35
Copper, Total	130	24.3	120	**0**	Q	-	-		75-125	-		35
Iron, Total	5800	97.1	5200	**0**	Q	-	-		75-125	-		35
Lead, Total	420	49.5	280	**0**	Q	-	-		75-125	-		35
Magnesium, Total	290	971	1200	93		-	-		75-125	-		35
Manganese, Total	56.	48.5	110	107		-	-		75-125	-		35
Nickel, Total	15.	48.5	56	84		-	-		75-125	-		35
Potassium, Total	220J	971	1300	**134**	Q	-	-		75-125	-		35
Selenium, Total	6.1	11.6	16	84		-	-		75-125	-		35
Silver, Total	0.26J	29.1	28	96		-	-		75-125	-		35
Sodium, Total	120J	971	1200	124		-	-		75-125	-		35
Thallium, Total	ND	11.6	10	86		-	-		75-125	-		35
Vanadium, Total	8.1	48.5	54	94		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

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): 03-04 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637994-4 QC Sample: L1318159-04 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.2	100		-	-	75-125	-	20
Barium, TCLP	0.37J	20	20	100		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.51	100		-	-	75-125	-	20
Chromium, TCLP	ND	2	1.9	95		-	-	75-125	-	20
Lead, TCLP	0.72	5.1	6.0	104		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.49	98		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG638032-4 QC Sample: L1318159-04 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0253	101		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637994-3 QC Sample: L1318159-04 Client ID: DUP Sample					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.37J	0.38J	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.72	0.71	mg/l	1	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG638032-3 QC Sample: L1318159-04 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-03	Date Collected:	09/13/13 18:00
Client ID:	G1_COMP-10S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

SAMPLE RESULTS

Lab ID:	L1318161-04	Date Collected:	09/13/13 18:05
Client ID:	G1_COMP-10D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/18/13 22:04	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-01
Client ID: G1_SB-10B_4-4.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:45
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-02
Client ID: G1_SB-10B_9.5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:50
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-03
Client ID: G1_COMP-10S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 18:00
Date Received: 09/13/13
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	26		mg/kg	1.1	1.1	1	-	09/23/13 11:29	107,-	JO
Solids, Total	73.0		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.3	0.31	1	09/18/13 12:55	09/18/13 16:15	1,9010C/9012A	JO
pH (H)	7.7		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.1	0.25	1	09/16/13 22:00	09/18/13 00:24	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

SAMPLE RESULTS

Lab ID: L1318161-04
Client ID: G1_COMP-10D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 18:05
Date Received: 09/13/13
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	29		mg/kg	1.0	1.0	1	-	09/23/13 11:29	107,-	JO
Solids, Total	76.6		%	0.100	NA	1	-	09/17/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.3	0.30	1	09/18/13 12:55	09/18/13 16:16	1,9010C/9012A	JO
pH (H)	7.5		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.0	0.23	1	09/16/13 22:00	09/18/13 00:24	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

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): 03-04 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG637101-1										
Cyanide, Total	ND		mg/kg	0.97	0.23	1	09/18/13 12:55	09/18/13 16:01	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG637207-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:46	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG637208-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:37	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG637101-2 WG637101-3								
Cyanide, Total	103		102		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG637207-2								
Cyanide, Reactive	36		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG637208-2								
Sulfide, Reactive	117		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318161
Report Date: 10/03/13

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): 03-04 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637101-4 WG637101-5 QC Sample: L1318356-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	98		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: DUP Sample						
pH	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG636928-1 QC Sample: L1318159-02 Client ID: DUP Sample						
Solids, Total	88.5	89.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637207-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG637208-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318161
Report Date: 10/03/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 17:31

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318161-01A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-01B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-01C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-01D	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-01E	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-01F	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-01G	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)
L1318161-02A	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-02B	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-02C	5 gram Encore Sampler	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(2)
L1318161-02D	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-02E	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-02F	Vial Water preserved split	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1318161-02G	Plastic 2oz unpreserved for TS	A	N/A	4.3	Y	Absent	TS(7)
L1318161-03A	Vial Large Septa unpreserved	A	N/A	4.3	Y	Absent	TPH-GRO(14)
L1318161-03B	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(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: L1318161
Report Date: 10/03/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318161-03C	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318161-03X	Plastic 250ml HNO3 preserved spl	A	N/A	4.3	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318161-04A	Vial Large Septa unpreserved	A	N/A	4.3	Y	Absent	TPH-GRO(14)
L1318161-04B	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(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: L1318161
Report Date: 10/03/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318161-04C	Amber 500ml unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318161-04X	Plastic 250ml HNO3 preserved spl	A	N/A	4.3	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318161-05A	Vial HCl preserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1318161-05B	Vial HCl preserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING **Lab Number:** L1318161

Project Number: 170229002 **Report Date:** 10/03/13

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

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.

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.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318161
Project Number:	170229002	**Report Date:**	10/03/13

Data Qualifiers

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:** L1318161
Project Number: 170229002 **Report Date:** 10/03/13

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

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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.

Certificate/Approval Program Summary

Last revised October 1, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, 4500SO4-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S^{2-}D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C,

4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318161

Client Information

Client: Langan, DPC

Address: 360 W 31st St 8th fl New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKAO@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 Raygordetsky

ALPHA Quote #: 20139653

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/25/13 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
NYS DEC	6NYCRR375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters; 2) provide category A data deliverables; 3) Provide NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Total Metals, Total Cyanide, TCLP, SCIA, RCRA Chem	TS	SVOC, PCB, Pest, HPAH	TPH GRO	VOC	Sample Specific Comments	Total # Bottles
1	G-2-SB-10B-(4-4.5)	9/13/13	17:45	Soil	MB	X	X					G2_SB-10B_4-4.5	4
2	G-2-SB-10B-(9.5-10)	9/13/13	17:50			X	X					G2_SB-10B_9.5-10	4
3	G-2-COMP-10S-0-5		1800				X	X	X				3
4	G-2-COMP-10D-5-10		1805				X	X	X				3
5	Field Blank									X		TB02_091313	2

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do

(Please specify below)

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	Sin Pater	9/13/13 1815
Sin Pater	9/13/13 2035	Tom Tobin	9/13/13 2035
Tom Tobin	9/13/13	RG	9/14/13 0020

COOLER E

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)

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318161

Client Information

Client: Langan, DPC
Address: 360 W 31st St 8th fl
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
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 Raygordetsky
ALPHA Quote #: 20139653

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/25/13 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
NYS DEC ~~[illegible]~~	6NYCRR375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide category A data deliverables; 3) Provide NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Total Metals, Total CN, Chromium, Hexavalent, TCLP, SPLP, RCRA Char	TS	SVOC, PCB, Pest, Herb, TPH, BTEX	TPH GRO	VOC	Sample Specific Comments	TOTAL # BOTTLES
18161-1	G-2-SB-10B-(4-4.5)	9/13/13	17:45	Soil	WB	X		X					4
2	G-2-SB-10B-(9.5-10)	9/13/13	17:50	↓		X		X					4
3	G-2-COMP-10S-0-5		1800				X		X X				3
4	G-2-COMP-10D-5-10		1805				X		X X				3
5	Field Blank									X			2

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type													
Preservative													

COOLER E

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible] 9/13/13	1815
[illegible]	9/13/13 2035	Tom Tobin	9/13/13 2035
Tom Tobin	9/13/13	[illegible]	9/14/13 0020

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:	L1318162
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:	09/23/13

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: L1318162
Report Date: 09/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318162-01	G1_COMP-09S_0-5	BROOKLYN, NY	09/13/13 16:10
L1318162-02	G1_COMP-09D_5-10	BROOKLYN, NY	09/13/13 16:20
L1318162-03	G1_SB-09A_9.5-10	BROOKLYN, NY	09/13/13 16:00
L1318162-04	G1_SB-09A_3.5-4	BROOKLYN, NY	09/13/13 15:55
L1318162-05	TB04_091313	BROOKLYN, NY	09/13/13 00:00
L1318162-06	G2_SB-06B_4.5-5	BROOKLYN, NY	09/13/13 17:00
L1318162-07	G2_SB-06C_9.5-10	BROOKLYN, NY	09/13/13 17:15
L1318162-08	G2_COMP-06S_0-5	BROOKLYN, NY	09/13/13 17:30
L1318162-09	G2_COMP-06D_5-10	BROOKLYN, NY	09/13/13 17:35

Project Name: GREENPOINT LANDING **Lab Number:** L1318162
Project Number: 170229002 **Report Date:** 09/23/13

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 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.

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

Project Name: GREENPOINT LANDING **Lab Number:** L1318162
Project Number: 170229002 **Report Date:** 09/23/13

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.

Sample Receipt

The sample IDs were confirmed by the client.

Volatile Organics

The surrogate recovery for L1318162-07 is below the acceptance criteria for dibromofluoromethane (26%), due to a known matrix effect caused by the high pH of the sample (>10).

Pesticides

L1318162-01, -02, -08, and -09 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318162-01, -02, -08, and -09 have elevated detection limits for all elements, with the exception of mercury, due to the analytical dilutions required by matrix interferences encountered during analysis.

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: Cynthia McQueen

Title: Technical Director/Representative Date: 09/23/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-03	Date Collected:	09/13/13 16:00
Client ID:	G1_SB-09A_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 12:27		
Analyst:	PP		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	3.1	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.27	1
Chloroform	ND		ug/kg	2.3	0.57	1
Carbon tetrachloride	ND		ug/kg	1.5	0.32	1
1,2-Dichloropropane	ND		ug/kg	5.4	0.35	1
Dibromochloromethane	ND		ug/kg	1.5	0.47	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.47	1
Tetrachloroethene	ND		ug/kg	1.5	0.22	1
Chlorobenzene	ND		ug/kg	1.5	0.53	1
Trichlorofluoromethane	ND		ug/kg	7.7	0.19	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.17	1
Bromodichloromethane	ND		ug/kg	1.5	0.35	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.20	1
1,1-Dichloropropene	ND		ug/kg	7.7	0.70	1
Bromoform	ND		ug/kg	6.1	0.64	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.26	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.3	0.17	1
Ethylbenzene	ND		ug/kg	1.5	0.23	1
Chloromethane	ND		ug/kg	7.7	1.2	1
Bromomethane	ND		ug/kg	3.1	0.52	1
Vinyl chloride	ND		ug/kg	3.1	0.22	1
Chloroethane	ND		ug/kg	3.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.32	1
Trichloroethene	0.40	J	ug/kg	1.5	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	7.7	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	7.7	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	7.7	0.37	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-03 Date Collected: 09/13/13 16:00

Client ID: G1_SB-09A_9.5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	3.1	0.16	1
p/m-Xylene	ND		ug/kg	3.1	0.50	1
o-Xylene	ND		ug/kg	3.1	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.23	1
Dibromomethane	ND		ug/kg	15	0.25	1
Styrene	ND		ug/kg	3.1	0.48	1
Dichlorodifluoromethane	ND		ug/kg	15	0.34	1
Acetone	ND		ug/kg	15	4.8	1
Carbon disulfide	ND		ug/kg	15	3.1	1
2-Butanone	ND		ug/kg	15	0.54	1
Vinyl acetate	ND		ug/kg	15	0.74	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.38	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.34	1
2-Hexanone	ND		ug/kg	15	0.29	1
Bromochloromethane	ND		ug/kg	7.7	0.30	1
2,2-Dichloropropane	ND		ug/kg	7.7	0.35	1
1,2-Dibromoethane	ND		ug/kg	6.1	0.27	1
1,3-Dichloropropane	ND		ug/kg	7.7	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.49	1
Bromobenzene	ND		ug/kg	7.7	0.32	1
n-Butylbenzene	ND		ug/kg	1.5	0.30	1
sec-Butylbenzene	ND		ug/kg	1.5	0.32	1
tert-Butylbenzene	ND		ug/kg	7.7	0.86	1
o-Chlorotoluene	ND		ug/kg	7.7	0.24	1
p-Chlorotoluene	ND		ug/kg	7.7	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	7.7	0.65	1
Isopropylbenzene	ND		ug/kg	1.5	0.26	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.29	1
Naphthalene	1.3	J	ug/kg	7.7	1.2	1
Acrylonitrile	ND		ug/kg	15	0.36	1
n-Propylbenzene	ND		ug/kg	1.5	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.7	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.7	1.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.7	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.7	0.88	1
Methyl Acetate	ND		ug/kg	31	1.2	1
Cyclohexane	ND		ug/kg	31	1.6	1
1,4-Dioxane	ND		ug/kg	150	27.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-03	Date Collected:	09/13/13 16:00
Client ID:	G1_SB-09A_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	31	0.42	1
p-Diethylbenzene	ND		ug/kg	6.1	0.24	1
p-Ethyltoluene	ND		ug/kg	6.1	0.18	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.1	0.20	1
Ethyl ether	ND		ug/kg	7.7	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.7	0.69	1
Methyl cyclohexane	ND		ug/kg	6.1	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-04	Date Collected:	09/13/13 15:55
Client ID:	G1_SB-09A_3.5-4	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 12:54		
Analyst:	PP		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.22	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.39	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.3	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.3	0.58	1
Bromoform	ND		ug/kg	5.1	0.52	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	0.28	J	ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.3	0.99	1
Bromomethane	ND		ug/kg	2.5	0.43	1
Vinyl chloride	ND		ug/kg	2.5	0.18	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	24		ug/kg	1.3	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.31	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-04 Date Collected: 09/13/13 15:55

Client ID: G1_SB-09A_3.5-4 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.5	0.13	1
p/m-Xylene	ND		ug/kg	2.5	0.41	1
o-Xylene	ND		ug/kg	2.5	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.5	0.39	1
Dichlorodifluoromethane	ND		ug/kg	13	0.28	1
Acetone	ND		ug/kg	13	3.9	1
Carbon disulfide	ND		ug/kg	13	2.5	1
2-Butanone	ND		ug/kg	13	0.45	1
Vinyl acetate	ND		ug/kg	13	0.61	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.28	1
2-Hexanone	ND		ug/kg	13	0.24	1
Bromochloromethane	ND		ug/kg	6.3	0.25	1
2,2-Dichloropropane	ND		ug/kg	6.3	0.28	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.3	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.40	1
Bromobenzene	ND		ug/kg	6.3	0.26	1
n-Butylbenzene	ND		ug/kg	1.3	0.25	1
sec-Butylbenzene	ND		ug/kg	1.3	0.26	1
tert-Butylbenzene	ND		ug/kg	6.3	0.71	1
o-Chlorotoluene	ND		ug/kg	6.3	0.20	1
p-Chlorotoluene	ND		ug/kg	6.3	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	1.0	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.53	1
Isopropylbenzene	ND		ug/kg	1.3	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.24	1
Naphthalene	ND		ug/kg	6.3	0.97	1
Acrylonitrile	ND		ug/kg	13	0.30	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	0.72	1
Methyl Acetate	ND		ug/kg	25	0.96	1
Cyclohexane	ND		ug/kg	25	1.4	1
1,4-Dioxane	ND		ug/kg	130	22.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-04	Date Collected:	09/13/13 15:55
Client ID:	G1_SB-09A_3.5-4	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	25	0.34	1
p-Diethylbenzene	ND		ug/kg	5.1	0.20	1
p-Ethyltoluene	ND		ug/kg	5.1	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.16	1
Ethyl ether	ND		ug/kg	6.3	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	0.57	1
Methyl cyclohexane	ND		ug/kg	5.1	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-05	Date Collected:	09/13/13 00:00
Client ID:	TB04_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 14:29		
Analyst:	PD		

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	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-05 Date Collected: 09/13/13 00:00

Client ID: TB04_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	2.1	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	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	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-05	Date Collected:	09/13/13 00:00
Client ID:	TB04_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	110		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-06	Date Collected:	09/13/13 17:00
Client ID:	G2_SB-06B_4.5-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 15:42		
Analyst:	PP		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	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	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.49	1
Bromoform	ND		ug/kg	4.3	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.32	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.4	0.84	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.15	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.26	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-06 Date Collected: 09/13/13 17:00

Client ID: G2_SB-06B_4.5-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.1	0.11	1
p/m-Xylene	ND		ug/kg	2.1	0.35	1
o-Xylene	ND		ug/kg	2.1	0.29	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	2.1	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.23	1
Acetone	8.8	J	ug/kg	11	3.3	1
Carbon disulfide	ND		ug/kg	11	2.1	1
2-Butanone	1.8	J	ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.51	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.4	0.21	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	0.18	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	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.4	0.60	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.85	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.20	1
Naphthalene	ND		ug/kg	5.4	0.82	1
Acrylonitrile	ND		ug/kg	11	0.26	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.85	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.61	1
Methyl Acetate	ND		ug/kg	21	0.82	1
Cyclohexane	ND		ug/kg	21	1.2	1
1,4-Dioxane	ND		ug/kg	110	19.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-06	Date Collected:	09/13/13 17:00
Client ID:	G2_SB-06B_4.5-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	21	0.29	1
p-Diethylbenzene	ND		ug/kg	4.3	0.17	1
p-Ethyltoluene	ND		ug/kg	4.3	0.12	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	0.48	1
Methyl cyclohexane	ND		ug/kg	4.3	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-07	Date Collected:	09/13/13 17:15
Client ID:	G2_SB-06C_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 15:14		
Analyst:	PP		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.47	1
Bromoform	ND		ug/kg	4.1	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.31	J	ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.1	0.80	1
Bromomethane	ND		ug/kg	2.0	0.35	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.25	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-07 Date Collected: 09/13/13 17:15

Client ID: G2_SB-06C_9.5-10 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.11	1
p/m-Xylene	ND		ug/kg	2.0	0.33	1
o-Xylene	ND		ug/kg	2.0	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.32	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	4.3	J	ug/kg	10	3.2	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	ND		ug/kg	10	0.36	1
Vinyl acetate	ND		ug/kg	10	0.49	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.23	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.1	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.21	1
tert-Butylbenzene	ND		ug/kg	5.1	0.57	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.81	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.43	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.20	1
Naphthalene	ND		ug/kg	5.1	0.79	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.81	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.59	1
Methyl Acetate	ND		ug/kg	20	0.78	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	18.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-07	Date Collected:	09/13/13 17:15
Client ID:	G2_SB-06C_9.5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.28	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.46	1
Methyl cyclohexane	ND		ug/kg	4.1	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	**26**	Q	70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-07 Batch: WG637788-3					
Methylene chloride	3.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.22	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-07 Batch: WG637788-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-07 Batch: WG637788-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG637829-3					
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	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG637829-3					
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	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
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
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

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG637829-3					
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	0.24
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	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG638134-3					
Methylene chloride	2.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG638134-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:31
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG638134-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								
Methylene chloride	114		111		70-130	3		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	96		90		70-130	6		30
1,2-Dichloropropane	97		94		70-130	3		30
Dibromochloromethane	93		94		70-130	1		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	98		91		70-130	7		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	94		86		70-139	9		30
1,2-Dichloroethane	95		93		70-130	2		30
1,1,1-Trichloroethane	97		92		70-130	5		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	93		94		70-130	1		30
1,1-Dichloropropene	96		91		70-130	5		30
Bromoform	95		93		70-130	2		30
1,1,2,2-Tetrachloroethane	93		92		70-130	1		30
Benzene	98		94		70-130	4		30
Toluene	96		93		70-130	3		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								
Chloromethane	91		89		52-130	2		30
Bromomethane	113		99		57-147	13		30
Vinyl chloride	96		90		67-130	6		30
Chloroethane	126		116		50-151	8		30
1,1-Dichloroethene	96		89		65-135	8		30
trans-1,2-Dichloroethene	99		93		70-130	6		30
Trichloroethene	98		95		70-130	3		30
1,2-Dichlorobenzene	98		94		70-130	4		30
1,3-Dichlorobenzene	99		95		70-130	4		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	99		96		70-130	3		30
o-Xylene	99		96		70-130	3		30
cis-1,2-Dichloroethene	99		95		70-130	4		30
Dibromomethane	95		94		70-130	1		30
Styrene	100		98		70-130	2		30
Dichlorodifluoromethane	82		76		30-146	8		30
Acetone	127		114		54-140	11		30
Carbon disulfide	97		91		59-130	6		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	89		88		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								
4-Methyl-2-pentanone	92		95		70-130	3		30
1,2,3-Trichloropropane	96		95		68-130	1		30
2-Hexanone	104		99		70-130	5		30
Bromochloromethane	100		98		70-130	2		30
2,2-Dichloropropane	100		95		70-130	5		30
1,2-Dibromoethane	95		94		70-130	1		30
1,3-Dichloropropane	94		94		69-130	0		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	98		95		70-130	3		30
n-Butylbenzene	100		96		70-130	4		30
sec-Butylbenzene	100		94		70-130	6		30
tert-Butylbenzene	100		94		70-130	6		30
o-Chlorotoluene	100		95		70-130	5		30
p-Chlorotoluene	100		96		70-130	4		30
1,2-Dibromo-3-chloropropane	115		77		68-130	**40**	Q	30
Hexachlorobutadiene	98		94		67-130	4		30
Isopropylbenzene	101		95		70-130	6		30
p-Isopropyltoluene	102		96		70-130	6		30
Naphthalene	96		97		70-130	1		30
Acrylonitrile	94		96		70-130	2		30
Isopropyl Ether	98		97		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								
tert-Butyl Alcohol	90		90		70-130	0		30
n-Propylbenzene	101		95		70-130	6		30
1,2,3-Trichlorobenzene	100		98		70-130	2		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	102		96		70-130	6		30
1,2,4-Trimethylbenzene	100		96		70-130	4		30
Methyl Acetate	91		92		51-146	1		30
Ethyl Acetate	93		93		70-130	0		30
Acrolein	88		93		70-130	6		30
Cyclohexane	89		83		59-142	7		30
1,4-Dioxane	88		89		65-136	1		30
Freon-113	85		79		50-139	7		30
p-Diethylbenzene	102		97		70-130	5		30
p-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		101		70-130	3		30
Tetrahydrofuran	97		98		66-130	1		30
Ethyl ether	97		94		67-130	3		30
trans-1,4-Dichloro-2-butene	93		92		70-130	1		30
Methyl cyclohexane	87		80		70-130	8		30
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		30
Tertiary-Amyl Methyl Ether	98		97		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318162

Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-07 Batch: WG637788-1 WG637788-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	109		104		70-130	5		20
Chloroform	113		109		70-130	4		20
2-Chloroethylvinyl ether	84		85		70-130	1		20
Carbon tetrachloride	122		115		63-132	6		20
1,2-Dichloropropane	100		97		70-130	3		20
Dibromochloromethane	108		107		63-130	1		20
1,1,2-Trichloroethane	96		98		70-130	2		20
Tetrachloroethene	105		101		70-130	4		20
Chlorobenzene	98		97		75-130	1		20
Trichlorofluoromethane	127		119		62-150	7		20
1,2-Dichloroethane	123		119		70-130	3		20
1,1,1-Trichloroethane	122		114		67-130	7		20
Bromodichloromethane	113		112		67-130	1		20
trans-1,3-Dichloropropene	103		104		70-130	1		20
cis-1,3-Dichloropropene	107		105		70-130	2		20
1,1-Dichloropropene	111		104		70-130	7		20
Bromoform	105		111		54-136	6		20
1,1,2,2-Tetrachloroethane	84		91		67-130	8		20
Benzene	104		99		70-130	5		20
Toluene	94		90		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								
Ethylbenzene	100		96		70-130	4		20
Chloromethane	**60**	Q	69		64-130	14		20
Bromomethane	61		68		39-139	11		20
Vinyl chloride	94		88		55-140	7		20
Chloroethane	119		113		55-138	5		20
1,1-Dichloroethene	114		105		61-145	8		20
trans-1,2-Dichloroethene	110		104		70-130	6		20
Trichloroethene	109		103		70-130	6		20
1,2-Dichlorobenzene	92		98		70-130	6		20
1,3-Dichlorobenzene	93		95		70-130	2		20
1,4-Dichlorobenzene	93		95		70-130	2		20
Methyl tert butyl ether	119		118		63-130	1		20
p/m-Xylene	100		98		70-130	2		20
o-Xylene	101		99		70-130	2		20
cis-1,2-Dichloroethene	107		102		70-130	5		20
Dibromomethane	109		111		70-130	2		20
1,2,3-Trichloropropane	91		96		64-130	5		20
Acrylonitrile	98		102		70-130	4		20
Isopropyl Ether	108		103		70-130	5		20
tert-Butyl Alcohol	**138**	Q	**156**	Q	70-130	12		20
Styrene	101		100		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								
Dichlorodifluoromethane	88		83		36-147	6		20
Acetone	134		**158**	Q	58-148	16		20
Carbon disulfide	104		97		51-130	7		20
2-Butanone	116		115		63-138	1		20
Vinyl acetate	111		112		70-130	1		20
4-Methyl-2-pentanone	109		106		59-130	3		20
2-Hexanone	104		113		57-130	8		20
Bromochloromethane	120		117		70-130	3		20
2,2-Dichloropropane	133		120		63-133	10		20
1,2-Dibromoethane	103		104		70-130	1		20
1,3-Dichloropropane	99		98		70-130	1		20
1,1,1,2-Tetrachloroethane	102		102		64-130	0		20
Bromobenzene	97		99		70-130	2		20
n-Butylbenzene	91		90		53-136	1		20
sec-Butylbenzene	92		93		70-130	1		20
tert-Butylbenzene	96		97		70-130	1		20
o-Chlorotoluene	98		97		70-130	1		20
p-Chlorotoluene	93		93		70-130	0		20
1,2-Dibromo-3-chloropropane	96		100		41-144	4		20
Hexachlorobutadiene	102		105		63-130	3		20
Isopropylbenzene	94		94		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								
p-Isopropyltoluene	96		96		70-130	0		20
Naphthalene	92		97		70-130	5		20
n-Propylbenzene	92		92		69-130	0		20
1,2,3-Trichlorobenzene	92		100		70-130	8		20
1,2,4-Trichlorobenzene	98		100		70-130	2		20
1,3,5-Trimethylbenzene	96		96		64-130	0		20
1,2,4-Trimethylbenzene	95		96		70-130	1		20
Methyl Acetate	112		116		70-130	4		20
Ethyl Acetate	114		114		70-130	0		20
Cyclohexane	106		96		70-130	10		20
Ethyl-Tert-Butyl-Ether	114		113		70-130	1		20
Tertiary-Amyl Methyl Ether	112		111		66-130	1		20
1,4-Dioxane	121		138		56-162	13		20
Freon-113	118		107		70-130	10		20
p-Diethylbenzene	94		94		70-130	0		20
p-Ethyltoluene	94		95		70-130	1		20
1,2,4,5-Tetramethylbenzene	96		97		70-130	1		20
Ethyl ether	114		112		59-134	2		20
trans-1,4-Dichloro-2-butene	89		100		70-130	12		20
Methyl cyclohexane	109		100		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG637829-1 WG637829-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	105		105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

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: WG638134-1 WG638134-2								
Methylene chloride	104		97		70-130	7		30
1,1-Dichloroethane	92		86		70-130	7		30
Chloroform	92		87		70-130	6		30
Carbon tetrachloride	91		84		70-130	8		30
1,2-Dichloropropane	92		87		70-130	6		30
Dibromochloromethane	89		84		70-130	6		30
1,1,2-Trichloroethane	92		86		70-130	7		30
Tetrachloroethene	91		84		70-130	8		30
Chlorobenzene	91		85		70-130	7		30
Trichlorofluoromethane	89		81		70-139	9		30
1,2-Dichloroethane	94		89		70-130	5		30
1,1,1-Trichloroethane	92		86		70-130	7		30
Bromodichloromethane	92		85		70-130	8		30
trans-1,3-Dichloropropene	88		84		70-130	5		30
cis-1,3-Dichloropropene	89		84		70-130	6		30
1,1-Dichloropropene	92		84		70-130	9		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	87		85		70-130	2		30
Benzene	92		85		70-130	8		30
Toluene	91		83		70-130	9		30
Ethylbenzene	92		84		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

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: WG638134-1 WG638134-2								
Chloromethane	89		80		52-130	11		30
Bromomethane	99		88		57-147	12		30
Vinyl chloride	91		82		67-130	10		30
Chloroethane	116		102		50-151	13		30
1,1-Dichloroethene	91		82		65-135	10		30
trans-1,2-Dichloroethene	92		84		70-130	9		30
Trichloroethene	93		87		70-130	7		30
1,2-Dichlorobenzene	90		86		70-130	5		30
1,3-Dichlorobenzene	91		87		70-130	4		30
1,4-Dichlorobenzene	91		88		70-130	3		30
Methyl tert butyl ether	92		87		66-130	6		30
p/m-Xylene	92		86		70-130	7		30
o-Xylene	93		87		70-130	7		30
cis-1,2-Dichloroethene	93		86		70-130	8		30
Dibromomethane	92		88		70-130	4		30
Styrene	95		88		70-130	8		30
Dichlorodifluoromethane	77		70		30-146	10		30
Acetone	133		114		54-140	15		30
Carbon disulfide	91		83		59-130	9		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	85		80		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

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: WG638134-1 WG638134-2								
4-Methyl-2-pentanone	90		88		70-130	2		30
1,2,3-Trichloropropane	91		86		68-130	6		30
2-Hexanone	100		93		70-130	7		30
Bromochloromethane	95		91		70-130	4		30
2,2-Dichloropropane	94		86		70-130	9		30
1,2-Dibromoethane	90		85		70-130	6		30
1,3-Dichloropropane	91		86		69-130	6		30
1,1,1,2-Tetrachloroethane	90		85		70-130	6		30
Bromobenzene	90		87		70-130	3		30
n-Butylbenzene	90		86		70-130	5		30
sec-Butylbenzene	89		85		70-130	5		30
tert-Butylbenzene	89		86		70-130	3		30
o-Chlorotoluene	73		86		70-130	16		30
p-Chlorotoluene	89		86		70-130	3		30
1,2-Dibromo-3-chloropropane	80		85		68-130	6		30
Hexachlorobutadiene	87		81		67-130	7		30
Isopropylbenzene	91		86		70-130	6		30
p-Isopropyltoluene	91		86		70-130	6		30
Naphthalene	92		88		70-130	4		30
Acrylonitrile	94		88		70-130	7		30
Isopropyl Ether	95		90		66-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

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: WG638134-1 WG638134-2								
tert-Butyl Alcohol	83		84		70-130	1		30
n-Propylbenzene	90		86		70-130	5		30
1,2,3-Trichlorobenzene	93		90		70-130	3		30
1,2,4-Trichlorobenzene	94		90		70-130	4		30
1,3,5-Trimethylbenzene	91		88		70-130	3		30
1,2,4-Trimethylbenzene	91		88		70-130	3		30
Methyl Acetate	90		89		51-146	1		30
Ethyl Acetate	93		89		70-130	4		30
Acrolein	89		82		70-130	8		30
Cyclohexane	86		78		59-142	10		30
1,4-Dioxane	88		85		65-136	3		30
Freon-113	82		74		50-139	10		30
p-Diethylbenzene	91		87		70-130	4		30
p-Ethyltoluene	91		87		70-130	4		30
1,2,4,5-Tetramethylbenzene	93		90		70-130	3		30
Tetrahydrofuran	96		93		66-130	3		30
Ethyl ether	92		88		67-130	4		30
trans-1,4-Dichloro-2-butene	89		85		70-130	5		30
Methyl cyclohexane	80		74		70-130	8		30
Ethyl-Tert-Butyl-Ether	93		89		70-130	4		30
Tertiary-Amyl Methyl Ether	93		88		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

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: WG638134-1 WG638134-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	97		97		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01 D	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/19/13 19:16		
Analyst:	JB		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1600		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	93.	2
Fluoranthene	11000		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	66.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	1500		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	95.	2
Butyl benzyl phthalate	ND		ug/kg	360	71.	2
Di-n-butylphthalate	ND		ug/kg	360	70.	2
Di-n-octylphthalate	ND		ug/kg	360	89.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	92.	2
Benzo(a)anthracene	6300		ug/kg	220	71.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-01 D Date Collected: 09/13/13 16:10

Client ID: G1_COMP-09S_0-5 Date Received: 09/13/13

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)pyrene	6800		ug/kg	290	88.	2
Benzo(b)fluoranthene	7400		ug/kg	220	73.	2
Benzo(k)fluoranthene	3200		ug/kg	220	69.	2
Chrysene	6300		ug/kg	220	71.	2
Acenaphthylene	460		ug/kg	290	68.	2
Anthracene	3800		ug/kg	220	60.	2
Benzo(ghi)perylene	4300		ug/kg	290	75.	2
Fluorene	1600		ug/kg	360	100	2
Phenanthrene	9000		ug/kg	220	71.	2
Dibenzo(a,h)anthracene	1300		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	4200		ug/kg	290	80.	2
Pyrene	10000		ug/kg	220	70.	2
Biphenyl	200	J	ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	96.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	100	2
4-Nitroaniline	ND		ug/kg	360	98.	2
Dibenzofuran	860		ug/kg	360	120	2
2-Methylnaphthalene	700		ug/kg	430	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	510	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	500	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	370	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	1300		ug/kg	360	78.	2
Benzaldehyde	ND		ug/kg	480	150	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-01 D Date Collected: 09/13/13 16:10

Client ID: G1_COMP-09S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	100	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	62.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	81		0-136
4-Terphenyl-d14	75		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D2	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/20/13 14:28		
Analyst:	JB		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	25000		ug/kg	550	170	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/19/13 19:44		
Analyst:	JB		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2500		ug/kg	370	94.	2
1,2,4-Trichlorobenzene	ND		ug/kg	460	150	2
Hexachlorobenzene	ND		ug/kg	280	85.	2
Bis(2-chloroethyl)ether	ND		ug/kg	410	130	2
2-Chloronaphthalene	ND		ug/kg	460	150	2
1,2-Dichlorobenzene	ND		ug/kg	460	150	2
1,3-Dichlorobenzene	ND		ug/kg	460	140	2
1,4-Dichlorobenzene	ND		ug/kg	460	140	2
3,3'-Dichlorobenzidine	ND		ug/kg	460	120	2
2,4-Dinitrotoluene	ND		ug/kg	460	99.	2
2,6-Dinitrotoluene	ND		ug/kg	460	120	2
Fluoranthene	21000	E	ug/kg	280	84.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	460	140	2
4-Bromophenyl phenyl ether	ND		ug/kg	460	100	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	550	160	2
Bis(2-chloroethoxy)methane	ND		ug/kg	500	140	2
Hexachlorobutadiene	ND		ug/kg	460	130	2
Hexachlorocyclopentadiene	ND		ug/kg	1300	290	2
Hexachloroethane	ND		ug/kg	370	83.	2
Isophorone	ND		ug/kg	410	120	2
Naphthalene	2800		ug/kg	460	150	2
Nitrobenzene	ND		ug/kg	410	110	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	370	96.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	460	140	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	460	120	2
Butyl benzyl phthalate	ND		ug/kg	460	90.	2
Di-n-butylphthalate	ND		ug/kg	460	88.	2
Di-n-octylphthalate	ND		ug/kg	460	110	2
Diethyl phthalate	ND		ug/kg	460	97.	2
Dimethyl phthalate	ND		ug/kg	460	120	2
Benzo(a)anthracene	9800		ug/kg	280	90.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-02 D Date Collected: 09/13/13 16:20

Client ID: G1_COMP-09D_5-10 Date Received: 09/13/13

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)pyrene	10000		ug/kg	370	110	2
Benzo(b)fluoranthene	12000		ug/kg	280	92.	2
Benzo(k)fluoranthene	4000		ug/kg	280	87.	2
Chrysene	10000		ug/kg	280	90.	2
Acenaphthylene	1800		ug/kg	370	86.	2
Anthracene	5800		ug/kg	280	76.	2
Benzo(ghi)perylene	6300		ug/kg	370	95.	2
Fluorene	2700		ug/kg	460	130	2
Phenanthrene	17000		ug/kg	280	90.	2
Dibenzo(a,h)anthracene	1500		ug/kg	280	89.	2
Indeno(1,2,3-cd)Pyrene	6900		ug/kg	370	100	2
Pyrene	18000		ug/kg	280	89.	2
Biphenyl	410	J	ug/kg	1000	150	2
4-Chloroaniline	ND		ug/kg	460	120	2
2-Nitroaniline	ND		ug/kg	460	130	2
3-Nitroaniline	ND		ug/kg	460	130	2
4-Nitroaniline	ND		ug/kg	460	120	2
Dibenzofuran	2100		ug/kg	460	150	2
2-Methylnaphthalene	1100		ug/kg	550	150	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	460	140	2
Acetophenone	ND		ug/kg	460	140	2
2,4,6-Trichlorophenol	ND		ug/kg	280	86.	2
P-Chloro-M-Cresol	ND		ug/kg	460	130	2
2-Chlorophenol	ND		ug/kg	460	140	2
2,4-Dichlorophenol	ND		ug/kg	410	150	2
2,4-Dimethylphenol	ND		ug/kg	460	140	2
2-Nitrophenol	ND		ug/kg	990	140	2
4-Nitrophenol	ND		ug/kg	640	150	2
2,4-Dinitrophenol	ND		ug/kg	2200	630	2
4,6-Dinitro-o-cresol	ND		ug/kg	1200	170	2
Pentachlorophenol	ND		ug/kg	370	98.	2
Phenol	170	J	ug/kg	460	140	2
2-Methylphenol	ND		ug/kg	460	150	2
3-Methylphenol/4-Methylphenol	290	J	ug/kg	660	150	2
2,4,5-Trichlorophenol	ND		ug/kg	460	150	2
Benzoic Acid	ND		ug/kg	1500	460	2
Benzyl Alcohol	ND		ug/kg	460	140	2
Carbazole	2100		ug/kg	460	98.	2
Benzaldehyde	ND		ug/kg	600	180	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	460	130	2
Atrazine	ND		ug/kg	370	100	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	460	78.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	89		0-136
4-Terphenyl-d14	77		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08 D	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/19/13 20:11		
Analyst:	JB		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	760		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	12000		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	900		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	180	J	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
Benzo(a)anthracene	6800		ug/kg	230	74.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-08 D Date Collected: 09/13/13 17:30

Client ID: G2_COMP-06S_0-5 Date Received: 09/13/13

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)pyrene	8000		ug/kg	300	92.	2
Benzo(b)fluoranthene	9000		ug/kg	230	76.	2
Benzo(k)fluoranthene	3000		ug/kg	230	72.	2
Chrysene	7200		ug/kg	230	74.	2
Acenaphthylene	1000		ug/kg	300	70.	2
Anthracene	2500		ug/kg	230	63.	2
Benzo(ghi)perylene	5000		ug/kg	300	78.	2
Fluorene	900		ug/kg	380	110	2
Phenanthrene	8900		ug/kg	230	74.	2
Dibenzo(a,h)anthracene	1300		ug/kg	230	73.	2
Indeno(1,2,3-cd)Pyrene	5300		ug/kg	300	84.	2
Pyrene	11000		ug/kg	230	73.	2
Biphenyl	130	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	750		ug/kg	380	120	2
2-Methylnaphthalene	340	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	1100		ug/kg	380	81.	2
Benzaldehyde	ND		ug/kg	500	150	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-08 D Date Collected: 09/13/13 17:30

Client ID: G2_COMP-06S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	71		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	84		0-136
4-Terphenyl-d14	85		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/18/13 02:44
Analytical Date:	09/19/13 20:39		
Analyst:	JB		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	430		ug/kg	160	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	58.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	65.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	4400		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	63.	1
Hexachlorobutadiene	ND		ug/kg	210	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	38.	1
Isophorone	ND		ug/kg	190	55.	1
Naphthalene	200	J	ug/kg	210	69.	1
Nitrobenzene	ND		ug/kg	190	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	40.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	52.	1
Benzo(a)anthracene	1900		ug/kg	120	40.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-09 Date Collected: 09/13/13 17:35

Client ID: G2_COMP-06D_5-10 Date Received: 09/13/13

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)pyrene	1600		ug/kg	160	51.	1
Benzo(b)fluoranthene	1900		ug/kg	120	42.	1
Benzo(k)fluoranthene	650		ug/kg	120	40.	1
Chrysene	1900		ug/kg	120	41.	1
Acenaphthylene	68	J	ug/kg	160	39.	1
Anthracene	930		ug/kg	120	34.	1
Benzo(ghi)perylene	780		ug/kg	160	43.	1
Fluorene	510		ug/kg	210	59.	1
Phenanthrene	4200		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	250		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	880		ug/kg	160	46.	1
Pyrene	3800		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	58.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	320		ug/kg	210	69.	1
2-Methylnaphthalene	110	J	ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	60.	1
2-Chlorophenol	ND		ug/kg	210	62.	1
2,4-Dichlorophenol	ND		ug/kg	190	67.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	67.	1
2,4-Dinitrophenol	ND		ug/kg	990	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	76.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	210	61.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	370		ug/kg	210	44.	1
Benzaldehyde	230	J	ug/kg	270	84.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	210	57.	1
Atrazine	ND		ug/kg	160	47.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	90		0-136
4-Terphenyl-d14	65		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/13 17:53
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/18/13 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636961-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
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	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	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	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
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	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/13 17:53
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/18/13 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636961-1					
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/13 17:53
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 09/18/13 02:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636961-1					
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	88		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636961-2 WG636961-3								
Acenaphthene	108		96		31-137	12		50
1,2,4-Trichlorobenzene	94		86		38-107	9		50
Hexachlorobenzene	109		97		40-140	12		50
Bis(2-chloroethyl)ether	90		81		40-140	11		50
2-Chloronaphthalene	102		91		40-140	11		50
1,2-Dichlorobenzene	93		83		40-140	11		50
1,3-Dichlorobenzene	90		81		40-140	11		50
1,4-Dichlorobenzene	91		82		28-104	10		50
3,3'-Dichlorobenzidine	76		67		40-140	13		50
2,4-Dinitrotoluene	**114**	Q	**104**	Q	28-89	9		50
2,6-Dinitrotoluene	112		102		40-140	9		50
Fluoranthene	116		104		40-140	11		50
4-Chlorophenyl phenyl ether	110		99		40-140	11		50
4-Bromophenyl phenyl ether	113		101		40-140	11		50
Bis(2-chloroisopropyl)ether	89		80		40-140	11		50
Bis(2-chloroethoxy)methane	96		85		40-117	12		50
Hexachlorobutadiene	95		87		40-140	9		50
Hexachlorocyclopentadiene	109		100		40-140	9		50
Hexachloroethane	90		81		40-140	11		50
Isophorone	99		86		40-140	14		50
Naphthalene	97		89		40-140	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636961-2 WG636961-3								
Nitrobenzene	112		103		40-140	8		50
NitrosoDiPhenylAmine(NDPA)/DPA	116		104			11		50
n-Nitrosodi-n-propylamine	97		85		32-121	13		50
Bis(2-Ethylhexyl)phthalate	124		109		40-140	13		50
Butyl benzyl phthalate	122		110		40-140	10		50
Di-n-butylphthalate	128		115		40-140	11		50
Di-n-octylphthalate	126		113		40-140	11		50
Diethyl phthalate	115		103		40-140	11		50
Dimethyl phthalate	112		101		40-140	10		50
Benzo(a)anthracene	114		101		40-140	12		50
Benzo(a)pyrene	123		108		40-140	13		50
Benzo(b)fluoranthene	112		100		40-140	11		50
Benzo(k)fluoranthene	117		104		40-140	12		50
Chrysene	111		98		40-140	12		50
Acenaphthylene	112		99		40-140	12		50
Anthracene	120		108		40-140	11		50
Benzo(ghi)perylene	118		104		40-140	13		50
Fluorene	113		100		40-140	12		50
Phenanthrene	112		101		40-140	10		50
Dibenzo(a,h)anthracene	118		108		40-140	9		50
Indeno(1,2,3-cd)Pyrene	117		102		40-140	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636961-2 WG636961-3								
Pyrene	113		101		35-142	11		50
Biphenyl	114		101			12		50
4-Chloroaniline	81		68		40-140	17		50
2-Nitroaniline	114		103		47-134	10		50
3-Nitroaniline	55		47		26-129	16		50
4-Nitroaniline	110		98		41-125	12		50
Dibenzofuran	109		97		40-140	12		50
2-Methylnaphthalene	100		90		40-140	11		50
1,2,4,5-Tetrachlorobenzene	108		97		40-117	11		50
Acetophenone	105		95		14-144	10		50
2,4,6-Trichlorophenol	128		112		30-130	13		50
P-Chloro-M-Cresol	**123**	Q	**106**	Q	26-103	15		50
2-Chlorophenol	**103**	Q	91		25-102	12		50
2,4-Dichlorophenol	118		104		30-130	13		50
2,4-Dimethylphenol	112		96		30-130	15		50
2-Nitrophenol	102		95		30-130	7		50
4-Nitrophenol	**136**	Q	**122**	Q	11-114	11		50
2,4-Dinitrophenol	125		117		4-130	7		50
4,6-Dinitro-o-cresol	119		109		10-130	9		50
Pentachlorophenol	**115**	Q	102		17-109	12		50
Phenol	**104**	Q	**92**	Q	26-90	12		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636961-2 WG636961-3								
2-Methylphenol	108		97		30-130.	11		50
3-Methylphenol/4-Methylphenol	116		100		30-130	15		50
2,4,5-Trichlorophenol	124		110		30-130	12		50
Benzoic Acid	99		89			11		50
Benzyl Alcohol	100		87		40-140	14		50
Carbazole	115		102		54-128	12		50
Benzaldehyde	84		79			6		50
Caprolactam	60		67			11		50
Atrazine	126		112			12		50
2,3,4,6-Tetrachlorophenol	128		114			12		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	102		91		25-120
Phenol-d6	100		87		10-120
Nitrobenzene-d5	94		85		23-120
2-Fluorobiphenyl	103		91		30-120
2,4,6-Tribromophenol	110		96		0-136
4-Terphenyl-d14	97		87		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/18/13 17:48		
Analyst:	JV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1500	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	82		70-130
4-Bromofluorobenzene	81		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01 D	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 00:13		
Analyst:	AR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1020000		ug/kg	73300	7180	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	107		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/18/13 18:29		
Analyst:	JV		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	2000	J	ug/kg	3500	67.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/19/13 06:11		
Analyst:	AR		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	789000		ug/kg	91800	8990	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	71		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/18/13 19:10		
Analyst:	JV		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	760	J	ug/kg	2900	55.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	71		70-130
4-Bromofluorobenzene	80		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08 D	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 20:53		
Analyst:	AR		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	661000		ug/kg	75400	7380	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	76		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 22:57		
Analyst:	AR		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	139000		ug/kg	41700	4080	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	97		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 04:39		
Analyst:	JV		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	3200	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	90		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 10:18
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01-02,08 Batch: WG636976-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	89		70-130
4-Bromofluorobenzene	87		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 21:53
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 09 Batch: WG637130-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	74		70-130
4-Bromofluorobenzene	72		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02,08 Batch: WG636976-1 WG636976-2								
Gasoline Range Organics	117		116		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	110		110		70-130
4-Bromofluorobenzene	106		109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 09 Batch: WG637130-1 WG637130-2								
Gasoline Range Organics	111		112		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	109		108		70-130
4-Bromofluorobenzene	112		112		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02,08 QC Batch ID: WG636976-5 QC Sample: L1318343-01 Client ID: MS Sample												
Gasoline Range Organics	68.J	22600	26000	114		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	109				70-130
4-Bromofluorobenzene	107				70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 09 QC Batch ID: WG637130-5 QC Sample: L1318164-03 Client ID: MS Sample												
Gasoline Range Organics	200J	23000	26000	112		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	107				70-130
4-Bromofluorobenzene	108				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02,08 QC Batch ID: WG636976-4 QC Sample: L1318343-01 Client ID: DUP Sample					
Gasoline Range Organics	68.J	64J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	76		87		70-130
4-Bromofluorobenzene	82		88		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 09 QC Batch ID: WG637130-4 QC Sample: L1318164-03 Client ID: DUP Sample					
Gasoline Range Organics	200J	570J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		72		70-130
4-Bromofluorobenzene	79		77		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 03:37	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	6.90	1	A
Aroclor 1221	ND		ug/kg	34.9	10.5	1	A
Aroclor 1232	ND		ug/kg	34.9	7.42	1	A
Aroclor 1242	ND		ug/kg	34.9	6.63	1	A
Aroclor 1248	ND		ug/kg	34.9	4.22	1	A
Aroclor 1254	ND		ug/kg	34.9	5.51	1	A
Aroclor 1260	55.0		ug/kg	34.9	6.06	1	B
Aroclor 1262	ND		ug/kg	34.9	2.58	1	A
Aroclor 1268	ND		ug/kg	34.9	5.07	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/20/13 14:33
Analytical Date:	09/21/13 16:33	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/20/13
Percent Solids:	72%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.6	8.62	1	A
Aroclor 1221	ND		ug/kg	43.6	13.2	1	A
Aroclor 1232	ND		ug/kg	43.6	9.26	1	A
Aroclor 1242	ND		ug/kg	43.6	8.28	1	A
Aroclor 1248	ND		ug/kg	43.6	5.28	1	A
Aroclor 1254	ND		ug/kg	43.6	6.88	1	A
Aroclor 1260	ND		ug/kg	43.6	7.57	1	A
Aroclor 1262	ND		ug/kg	43.6	3.23	1	A
Aroclor 1268	ND		ug/kg	43.6	6.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/20/13 14:33
Analytical Date:	09/21/13 16:46	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/20/13
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	7.47	1	A
Aroclor 1221	ND		ug/kg	37.8	11.4	1	A
Aroclor 1232	ND		ug/kg	37.8	8.04	1	A
Aroclor 1242	ND		ug/kg	37.8	7.18	1	A
Aroclor 1248	ND		ug/kg	37.8	4.58	1	A
Aroclor 1254	ND		ug/kg	37.8	5.96	1	A
Aroclor 1260	11.9	J	ug/kg	37.8	6.57	1	B
Aroclor 1262	ND		ug/kg	37.8	2.80	1	A
Aroclor 1268	ND		ug/kg	37.8	5.49	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 16:56
Analytical Date:	09/20/13 04:14	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	78%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.0	8.10	1	A
Aroclor 1221	ND		ug/kg	41.0	12.4	1	A
Aroclor 1232	ND		ug/kg	41.0	8.71	1	A
Aroclor 1242	ND		ug/kg	41.0	7.78	1	A
Aroclor 1248	ND		ug/kg	41.0	4.96	1	A
Aroclor 1254	ND		ug/kg	41.0	6.46	1	A
Aroclor 1260	ND		ug/kg	41.0	7.12	1	A
Aroclor 1262	ND		ug/kg	41.0	3.03	1	A
Aroclor 1268	ND		ug/kg	41.0	5.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318162

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/20/13 01:47
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 16:56
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,09 Batch: WG636526-1						
Aroclor 1016	ND		ug/kg	32.6	6.44	A
Aroclor 1221	ND		ug/kg	32.6	9.84	A
Aroclor 1232	ND		ug/kg	32.6	6.93	A
Aroclor 1242	ND		ug/kg	32.6	6.19	A
Aroclor 1248	ND		ug/kg	32.6	3.94	A
Aroclor 1254	ND		ug/kg	32.6	5.14	A
Aroclor 1260	ND		ug/kg	32.6	5.66	A
Aroclor 1262	ND		ug/kg	32.6	2.41	A
Aroclor 1268	ND		ug/kg	32.6	4.73	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318162

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 15:33
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/20/13 14:33
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/20/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,08 Batch: WG637820-1						
Aroclor 1016	ND		ug/kg	32.5	6.41	A
Aroclor 1221	ND		ug/kg	32.5	9.79	A
Aroclor 1232	ND		ug/kg	32.5	6.90	A
Aroclor 1242	ND		ug/kg	32.5	6.16	A
Aroclor 1248	ND		ug/kg	32.5	3.93	A
Aroclor 1254	ND		ug/kg	32.5	5.12	A
Aroclor 1260	ND		ug/kg	32.5	5.64	A
Aroclor 1262	ND		ug/kg	32.5	2.40	A
Aroclor 1268	ND		ug/kg	32.5	4.71	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,09 Batch: WG636526-2 WG636526-3									
Aroclor 1016	66		75		40-140	13		50	A
Aroclor 1260	58		64		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		74		30-150	A
Decachlorobiphenyl	64		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		78		30-150	B
Decachlorobiphenyl	69		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,08 Batch: WG637820-2 WG637820-3									
Aroclor 1016	62		75		40-140	19		50	A
Aroclor 1260	65		81		40-140	22		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		83		30-150	A
Decachlorobiphenyl	72		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		78		30-150	B
Decachlorobiphenyl	84		105		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 17:44	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	22.2	1	A
2,4,5-T	ND		ug/kg	182	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	87		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01 D	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:04	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.6	3.26	10	A
Lindane	ND		ug/kg	6.94	3.10	10	A
Alpha-BHC	ND		ug/kg	6.94	1.97	10	A
Beta-BHC	ND		ug/kg	16.6	6.31	10	A
Heptachlor	ND		ug/kg	8.32	3.73	10	A
Aldrin	ND		ug/kg	16.6	5.86	10	A
Heptachlor epoxide	ND		ug/kg	31.2	9.36	10	A
Endrin	ND		ug/kg	6.94	2.84	10	A
Endrin ketone	ND		ug/kg	16.6	4.29	10	A
Dieldrin	ND		ug/kg	10.4	5.20	10	A
4,4'-DDE	ND		ug/kg	16.6	3.85	10	A
4,4'-DDD	ND		ug/kg	16.6	5.94	10	A
4,4'-DDT	21.0	J	ug/kg	31.2	13.4	10	A
Endosulfan I	ND		ug/kg	16.6	3.93	10	A
Endosulfan II	ND		ug/kg	16.6	5.56	10	A
Endosulfan sulfate	ND		ug/kg	6.94	3.17	10	A
Methoxychlor	ND		ug/kg	31.2	9.71	10	A
Toxaphene	ND		ug/kg	312	87.4	10	A
cis-Chlordane	ND		ug/kg	20.8	5.80	10	A
trans-Chlordane	ND		ug/kg	20.8	5.49	10	A
Chlordane	ND		ug/kg	135	55.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	137		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 17:24	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	230	27.9	1	A
2,4,5-T	ND		ug/kg	230	14.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	230	12.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	84		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02 D	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:17	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	21.2	4.15	10	A
Lindane	ND		ug/kg	8.82	3.94	10	A
Alpha-BHC	ND		ug/kg	8.82	2.51	10	A
Beta-BHC	ND		ug/kg	21.2	8.03	10	A
Heptachlor	ND		ug/kg	10.6	4.75	10	A
Aldrin	ND		ug/kg	21.2	7.46	10	A
Heptachlor epoxide	ND		ug/kg	39.7	11.9	10	A
Endrin	ND		ug/kg	8.82	3.62	10	A
Endrin ketone	ND		ug/kg	21.2	5.45	10	A
Dieldrin	ND		ug/kg	13.2	6.62	10	A
4,4'-DDE	ND		ug/kg	21.2	4.90	10	A
4,4'-DDD	ND		ug/kg	21.2	7.55	10	A
4,4'-DDT	ND		ug/kg	39.7	17.0	10	A
Endosulfan I	ND		ug/kg	21.2	5.00	10	A
Endosulfan II	ND		ug/kg	21.2	7.08	10	A
Endosulfan sulfate	ND		ug/kg	8.82	4.03	10	A
Methoxychlor	ND		ug/kg	39.7	12.4	10	A
Toxaphene	ND		ug/kg	397	111.	10	A
cis-Chlordane	ND		ug/kg	26.5	7.38	10	A
trans-Chlordane	ND		ug/kg	26.5	6.99	10	A
Chlordane	ND		ug/kg	172	70.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	132		30-150	A
Decachlorobiphenyl	**194**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 17:04	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	87%		

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	93		30-150	A
DCAA	77		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08 D	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:30	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	18.2	3.57	10	A
Lindane	ND		ug/kg	7.60	3.40	10	A
Alpha-BHC	ND		ug/kg	7.60	2.16	10	A
Beta-BHC	ND		ug/kg	18.2	6.91	10	A
Heptachlor	ND		ug/kg	9.12	4.09	10	A
Aldrin	ND		ug/kg	18.2	6.42	10	A
Heptachlor epoxide	ND		ug/kg	34.2	10.2	10	A
Endrin	ND		ug/kg	7.60	3.11	10	A
Endrin ketone	ND		ug/kg	18.2	4.69	10	A
Dieldrin	ND		ug/kg	11.4	5.70	10	A
4,4'-DDE	ND		ug/kg	18.2	4.22	10	A
4,4'-DDD	ND		ug/kg	18.2	6.50	10	A
4,4'-DDT	ND		ug/kg	34.2	14.7	10	A
Endosulfan I	ND		ug/kg	18.2	4.31	10	A
Endosulfan II	ND		ug/kg	18.2	6.09	10	A
Endosulfan sulfate	ND		ug/kg	7.60	3.47	10	A
Methoxychlor	ND		ug/kg	34.2	10.6	10	A
Toxaphene	ND		ug/kg	342	95.7	10	A
cis-Chlordane	ND		ug/kg	22.8	6.35	10	A
trans-Chlordane	ND		ug/kg	22.8	6.02	10	A
Chlordane	ND		ug/kg	148	60.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	122		30-150	A
Decachlorobiphenyl	**218**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 16:44	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	211	25.7	1	A
2,4,5-T	ND		ug/kg	211	13.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	211	11.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09 D	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 21:21	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.69	1.90	5	A
Lindane	ND		ug/kg	4.04	1.80	5	A
Alpha-BHC	ND		ug/kg	4.04	1.15	5	A
Beta-BHC	ND		ug/kg	9.69	3.67	5	A
Heptachlor	ND		ug/kg	4.84	2.17	5	A
Aldrin	ND		ug/kg	9.69	3.41	5	A
Heptachlor epoxide	ND		ug/kg	18.2	5.45	5	A
Endrin	ND		ug/kg	4.04	1.65	5	A
Endrin ketone	ND		ug/kg	9.69	2.49	5	A
Dieldrin	ND		ug/kg	6.05	3.03	5	A
4,4'-DDE	ND		ug/kg	9.69	2.24	5	A
4,4'-DDD	ND		ug/kg	9.69	3.46	5	A
4,4'-DDT	ND		ug/kg	18.2	7.79	5	A
Endosulfan I	ND		ug/kg	9.69	2.29	5	A
Endosulfan II	ND		ug/kg	9.69	3.24	5	A
Endosulfan sulfate	ND		ug/kg	4.04	1.84	5	A
Methoxychlor	ND		ug/kg	18.2	5.65	5	A
Toxaphene	ND		ug/kg	182	50.8	5	A
cis-Chlordane	ND		ug/kg	12.1	3.37	5	A
trans-Chlordane	ND		ug/kg	12.1	3.20	5	A
Chlordane	ND		ug/kg	78.7	32.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636326-1						
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	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/13 16:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/16/13 21:54
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636563-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.403	A
Dieldrin	ND		ug/kg	0.979	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.523	A
Endosulfan sulfate	ND		ug/kg	0.653	0.298	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	12.7	5.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	149		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636563-2 WG636563-3									
Delta-BHC	70		79		30-150	12		30	A
Lindane	69		78		30-150	12		30	A
Alpha-BHC	65		75		30-150	14		30	A
Beta-BHC	72		79		30-150	9		30	A
Heptachlor	70		81		30-150	15		30	A
Aldrin	69		81		30-150	16		30	A
Heptachlor epoxide	63		74		30-150	16		30	A
Endrin	75		89		30-150	17		30	A
Endrin ketone	65		76		30-150	16		30	A
Dieldrin	66		79		30-150	18		30	A
4,4'-DDE	64		76		30-150	17		30	A
4,4'-DDD	66		79		30-150	18		30	A
4,4'-DDT	68		80		30-150	16		30	A
Endosulfan I	66		78		30-150	17		30	A
Endosulfan II	59		70		30-150	17		30	A
Endosulfan sulfate	63		74		30-150	16		30	A
Methoxychlor	68		80		30-150	16		30	A
cis-Chlordane	65		77		30-150	17		30	A
trans-Chlordane	66		79		30-150	18		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636563-2 WG636563-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		85		30-150	A
Decachlorobiphenyl	94		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		73		30-150	B
Decachlorobiphenyl	131		143		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Barium, TCLP	0.28	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Lead, TCLP	0.36	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:43	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:53	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318162
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-01
Client ID: G1_COMP-09S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/13/13 16:10
Date Received: 09/13/13
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	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.68	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Arsenic, Total	9.6		mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.86	0.26	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Beryllium, Total	4.9		mg/kg	0.43	0.09	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Cadmium, Total	1.2		mg/kg	0.86	0.06	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Calcium, Total	52000		mg/kg	8.6	2.6	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Chromium, Total	39		mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Cobalt, Total	37		mg/kg	1.7	0.43	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Copper, Total	680		mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Iron, Total	27000		mg/kg	4.3	1.7	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Lead, Total	460		mg/kg	4.3	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Magnesium, Total	18000		mg/kg	8.6	0.86	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Manganese, Total	310		mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Mercury, Total	0.12		mg/kg	0.08	0.02	1	09/20/13 09:09	09/20/13 11:22	EPA 7471B	1,7471B	MC
Nickel, Total	69		mg/kg	2.1	0.34	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Potassium, Total	910		mg/kg	210	34.	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Selenium, Total	0.80	J	mg/kg	1.7	0.26	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Silver, Total	0.20	J	mg/kg	0.86	0.17	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Sodium, Total	710		mg/kg	170	26.	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.86	0.09	2	09/17/13 14:42	09/19/13 11:46	EPA 3050B	1,6010C	TT
Zinc, Total	3800		mg/kg	21	3.0	10	09/17/13 14:42	09/19/13 18:43	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Barium, TCLP	0.30	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Lead, TCLP	0.38	J	mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:45	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 16:57	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318162
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-02
Client ID: G1_COMP-09D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 72%

Date Collected: 09/13/13 16:20
Date Received: 09/13/13
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	4200		mg/kg	11	2.1	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Antimony, Total	5.7		mg/kg	5.4	0.86	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Arsenic, Total	12		mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Barium, Total	420		mg/kg	1.1	0.32	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Beryllium, Total	0.44	J	mg/kg	0.54	0.11	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Cadmium, Total	1.8		mg/kg	1.1	0.08	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Calcium, Total	9200		mg/kg	11	3.2	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Chromium, Total	15		mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Cobalt, Total	7.1		mg/kg	2.1	0.54	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Copper, Total	2900		mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	5.4	2.1	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Lead, Total	370		mg/kg	5.4	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Magnesium, Total	1500		mg/kg	11	1.1	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Manganese, Total	230		mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Mercury, Total	0.64		mg/kg	0.11	0.02	1	09/20/13 09:09	09/20/13 11:24	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.7	0.43	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Potassium, Total	920		mg/kg	270	43.	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Selenium, Total	1.3	J	mg/kg	2.1	0.32	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Silver, Total	0.25	J	mg/kg	1.1	0.21	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Sodium, Total	460		mg/kg	210	32.	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.1	0.43	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Vanadium, Total	17		mg/kg	1.1	0.11	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT
Zinc, Total	690		mg/kg	5.4	0.75	2	09/17/13 14:42	09/19/13 11:50	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Barium, TCLP	0.37	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Lead, TCLP	0.72		mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:47	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 17:01	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318162
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-08
Client ID: G2_COMP-06S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 09/13/13 17:30
Date Received: 09/13/13
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	8.7	1.7	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.70	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Arsenic, Total	12		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Barium, Total	130		mg/kg	0.87	0.26	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Beryllium, Total	0.38	J	mg/kg	0.43	0.09	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Cadmium, Total	0.90		mg/kg	0.87	0.06	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Calcium, Total	8800		mg/kg	8.7	2.6	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Chromium, Total	11		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Cobalt, Total	4.9		mg/kg	1.7	0.43	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Copper, Total	83		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Iron, Total	17000		mg/kg	4.3	1.7	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Lead, Total	440		mg/kg	4.3	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Magnesium, Total	1500		mg/kg	8.7	0.87	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Manganese, Total	180		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Mercury, Total	0.72		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:25	EPA 7471B	1,7471B	MC
Nickel, Total	11		mg/kg	2.2	0.35	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Potassium, Total	560		mg/kg	220	35.	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Selenium, Total	0.88	J	mg/kg	1.7	0.26	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.87	0.17	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Sodium, Total	140	J	mg/kg	170	26.	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Vanadium, Total	16		mg/kg	0.87	0.09	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT
Zinc, Total	240		mg/kg	4.3	0.61	2	09/17/13 14:42	09/19/13 11:54	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Barium, TCLP	0.40	J	mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Lead, TCLP	2.2		mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:49	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 17:41	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318162
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-09
Client ID: G2_COMP-06D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 78%

Date Collected: 09/13/13 17:35
Date Received: 09/13/13
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	9300		mg/kg	9.8	2.0	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.9	0.78	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Arsenic, Total	6.6		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Barium, Total	53		mg/kg	0.98	0.29	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Beryllium, Total	0.47	J	mg/kg	0.49	0.10	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Cadmium, Total	1.9		mg/kg	0.98	0.07	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Calcium, Total	1800		mg/kg	9.8	2.9	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Chromium, Total	13		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Cobalt, Total	8.3		mg/kg	2.0	0.49	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Copper, Total	36		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.9	2.0	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Lead, Total	130		mg/kg	4.9	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Magnesium, Total	2400		mg/kg	9.8	0.98	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Manganese, Total	370		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Mercury, Total	0.52		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:27	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.4	0.39	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Potassium, Total	580		mg/kg	240	39.	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	2.0	0.29	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.98	0.20	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Sodium, Total	100	J	mg/kg	200	29.	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.39	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Vanadium, Total	18		mg/kg	0.98	0.10	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT
Zinc, Total	1600		mg/kg	4.9	0.68	2	09/17/13 14:42	09/19/13 12:26	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

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): 01-02,08-09 Batch: WG636801-1										
Aluminum, Total	1.2	J	mg/kg	4.0	0.80	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Calcium, Total	2.4	J	mg/kg	4.0	1.2	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01-02,08-09 Batch: WG637022-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:04	1,7470A	JH

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01-02,08-09 Batch: WG637081-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Lead, TCLP	ND		mg/l	0.50	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 11:47	09/18/13 13:00	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02,08-09 Batch: WG637435-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/20/13 09:09	09/20/13 10:56	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636801-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	82		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	109		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	92		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	100		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	86		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	83		-		74-126	-		
Manganese, Total	100		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	108		-		66-134	-		
Sodium, Total	103		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636801-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG637022-2					
Mercury, TCLP	101	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG637081-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	102	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	106	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	98	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG637435-2 SRM Lot Number: 0518-10-02					
Mercury, Total	117	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

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): 01-02,08-09 QC Batch ID: WG636801-3 WG636801-4 QC Sample: L1318157-08 Client ID: MS Sample												
Aluminum, Total	4200	164	5000	**489**	Q	5100	**524**	Q	75-125	2		35
Antimony, Total	ND	40.9	37	90		39	91		75-125	5		35
Arsenic, Total	0.95	9.82	11	102		11	97		75-125	0		35
Barium, Total	8.4	164	170	99		180	100		75-125	6		35
Beryllium, Total	0.18J	4.09	4.2	103		4.4	102		75-125	5		35
Cadmium, Total	0.29J	4.17	4.2	101		4.5	103		75-125	7		35
Calcium, Total	620	818	4500	**474**	Q	1900	**149**	Q	75-125	**81**	Q	35
Chromium, Total	9.4	16.4	24	89		29	114		75-125	19		35
Cobalt, Total	2.1	40.9	40	93		43	95		75-125	7		35
Copper, Total	7.7	20.4	29	104		29	99		75-125	0		35
Iron, Total	9400	81.8	9100	**0**	Q	10000	**698**	Q	75-125	9		35
Lead, Total	3.5J	41.7	44	105		46	105		75-125	4		35
Magnesium, Total	680	818	1600	112		1600	107		75-125	0		35
Manganese, Total	59.	40.9	120	**149**	Q	100	95		75-125	18		35
Nickel, Total	5.5	40.9	44	94		46	94		75-125	4		35
Potassium, Total	190J	818	1000	122		1000	116		75-125	0		35
Selenium, Total	ND	9.82	9.9	101		10	97		75-125	1		35
Silver, Total	ND	24.5	24	98		25	97		75-125	4		35
Sodium, Total	140J	818	1600	**196**	Q	1300	**151**	Q	75-125	21		35
Thallium, Total	ND	9.82	8.4	86		9.0	87		75-125	7		35
Vanadium, Total	11.	40.9	51	98		56	105		75-125	9		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

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): 01-02,08-09 QC Batch ID: WG636801-3 WG636801-4 QC Sample: L1318157-08 Client ID: MS Sample										
Zinc, Total	11.	40.9	52	100		52	95	75-125	0	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637022-4 QC Sample: L1318003-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0246	98		-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637081-4 QC Sample: L1318237-01 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.2	100		-	-	75-125	-	20
Barium, TCLP	0.46J	20	21	105		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106		-	-	75-125	-	20
Chromium, TCLP	0.03J	2	2.0	100		-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.5	108		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.52	104		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637435-4 QC Sample: L1318157-06 Client ID: MS Sample										
Mercury, Total	0.06J	0.16	0.26	**162**	Q	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637022-3 QC Sample: L1318003-03 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637081-3 QC Sample: L1318237-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG637435-3 QC Sample: L1318157-06 Client ID: DUP Sample						
Mercury, Total	0.06J	0.09	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-01	Date Collected:	09/13/13 16:10
Client ID:	G1_COMP-09S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-02	Date Collected:	09/13/13 16:20
Client ID:	G1_COMP-09D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-08	Date Collected:	09/13/13 17:30
Client ID:	G2_COMP-06S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318162-09	Date Collected:	09/13/13 17:35
Client ID:	G2_COMP-06D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-01
Client ID: G1_COMP-09S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 16:10
Date Received: 09/13/13
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	39		mg/kg	0.89	0.89	1	-	09/20/13 10:52	107,-	JO
Solids, Total	90.2		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.25	1	09/17/13 11:20	09/18/13 14:42	1,9010C/9012A	JO
pH (H)	7.8		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.89	0.20	1	09/16/13 22:00	09/18/13 00:25	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:50	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-02
Client ID: G1_COMP-09D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 16:20
Date Received: 09/13/13
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	1.1	1.1	1	-	09/20/13 10:52	107,-	JO
Solids, Total	72.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.4	0.32	1	09/17/13 11:20	09/18/13 14:43	1,9010C/9012A	JO
pH (H)	7.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.1	0.25	1	09/16/13 22:00	09/18/13 00:26	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:50	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-03
Client ID: G1_SB-09A_9.5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 16:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-04
Client ID: G1_SB-09A_3.5-4
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 15:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-06
Client ID: G2_SB-06B_4.5-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-07
Client ID: G2_SB-06C_9.5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:15
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.7		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-08
Client ID: G2_COMP-06S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:30
Date Received: 09/13/13
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	11		mg/kg	0.92	0.92	1	-	09/20/13 10:52	107,-	JO
Solids, Total	87.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/17/13 11:20	09/18/13 14:44	1,9010C/9012A	JO
pH (H)	9.0		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.92	0.21	1	09/16/13 22:00	09/18/13 00:26	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:50	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318162-09
Client ID: G2_COMP-06D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 17:35
Date Received: 09/13/13
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	13		mg/kg	1.0	1.0	1	-	09/20/13 10:52	107,-	JO
Solids, Total	78.4		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.29	1	09/17/13 11:20	09/18/13 14:45	1,9010C/9012A	JO
pH (H)	7.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.0	0.23	1	09/16/13 22:00	09/18/13 00:27	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:51	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318162

Project Number: 170229002 **Report Date:** 09/23/13

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): 01-02,08-09 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636702-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	09/17/13 11:20	09/18/13 14:38	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636827-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:47	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01-02,08-09 Batch: WG636831-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:39	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636702-2 WG636702-3								
Cyanide, Total	104		105		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636827-2								
Cyanide, Reactive	37		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 Batch: WG636831-2								
Sulfide, Reactive	83		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318162
Report Date: 09/23/13

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): 01-02,08-09 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636702-4 WG636702-5 QC Sample: L1318164-03 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	99		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: DUP Sample						
pH	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04,06-09 QC Batch ID: WG636567-1 QC Sample: L1318162-01 Client ID: G1_COMP-09S_0-5						
Solids, Total	90.2	91.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636827-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG636831-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 17:32

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-01A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)
L1318162-01B	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-01C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-01X	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318162-02A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318162
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-02B	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-02C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-02X	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318162-03A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-03B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-03C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-03D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1318162-03X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-03Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-03Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-04A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-04B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-04C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-04D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-04X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-04Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-04Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-05A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1318162-05B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1318162-06A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-06B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-06C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-06D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1318162-06X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-06Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-06Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-07A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-07B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-07C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1318162-07D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1318162-07X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-07Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-07Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1318162-08A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)
L1318162-08B	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(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

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Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-08C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-08X	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318162-09A	Vial Large Septa unpreserved	A	N/A	2.4	Y	Absent	TPH-GRO(14)
L1318162-09B	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318162-09C	Amber 500ml unpreserved	A	N/A	2.4	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318162-09X	Plastic 250ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
Project Number:	170229002	**Report Date:**	09/23/13

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

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.
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.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318162
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Data Qualifiers

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:** L1318162
Project Number: 170229002 **Report Date:** 09/23/13

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.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318162

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: 360 W 31st St 8th floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

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: Mini Ravgorodetsky

ALPHA Quote #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/20/13 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	6NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters;
2) Provide category A data deliverables;
3) Provide NYSDEC EDD.

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	VOC	Metals, Total CN, Hex Chrom, TCLP Volatiles, Metals, Reactivity	TS	Sec. Pest, Herb, TPH DRO	TPH GRO	VOC	Sample Specific Comments	Total # Bottles
18162 1	G1-COMP-09S-0-5	9/13	16:10	Soil	NB		X		X	X			3
2	G1_COMP-09D_5-10		16:20		NB		X		X	X			3
3	G1_SB-09A_(9.5-10)		16:00		NB	X		X					4
4	G1_SB-09A_(3.5-4)		15:55		NB	X		X					4
5	TRIP BLANK		1600		NB						X		2
6	G2_SB-06B_(4.5-5)		1700	Soil	NB	X		X					4
7	G2_SB-06C_(9.5-10)		17:15		NB	X		X					4
8	G-2-COMP-06S_0-5		17:30		NB		X		X	X			3
9	G-2-COMP-06D_5-10		17:35		NB		X		X	X			3

Container Type													
Preservative													

COOLER D

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2015	[illegible]	9/13/13 2015
[illegible]	9/14/13 0020	[illegible]	9/14/13 0020

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:	L1318164
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:	09/23/13

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: L1318164
Report Date: 09/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318164-01	G1_SB-07A_3.5-4	BROOKLYN, NY	09/13/13 13:45
L1318164-02	G1_SB-07A_9-9.5	BROOKLYN, NY	09/13/13 13:55
L1318164-03	G1_COMP-07D_5-10	BROOKLYN, NY	09/13/13 14:10
L1318164-04	G1_COMP-07S_0-5	BROOKLYN, NY	09/13/13 14:05
L1318164-05	G1_COMP-08D_5-10	BROOKLYN, NY	09/13/13 15:20
L1318164-06	G1_COMP-08S_0-5	BROOKLYN, NY	09/13/13 15:15
L1318164-07	G1_SB-08A_9-9.5	BROOKLYN, NY	09/13/13 15:00
L1318164-08	G1_SB-08A_4.5-5	BROOKLYN, NY	09/13/13 14:55
L1318164-09	TB05_091313	BROOKLYN, NY	09/13/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318164
Project Number: 170229002 **Report Date:** 09/23/13

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 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.

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

Project Name: GREENPOINT LANDING **Lab Number:** L1318164
Project Number: 170229002 **Report Date:** 09/23/13

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.

Sample Receipt

L1318164-01, -02, -07, -08 and -09: The client IDs were specified by the client.

Semivolatile Organics

L1318164-04 has elevated detection limits due to the dilution required by the sample matrix.

Pesticides

L1318164-03 through -06 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318164-03 through -06 have elevated detection limits for all elements, with the exception of mercury, due to the analytical dilutions required by matrix interferences encountered during analysis.

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: Cynthia McQueen

Title: Technical Director/Representative Date: 09/23/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-01	Date Collected:	09/13/13 13:45
Client ID:	G1_SB-07A_3.5-4	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/19/13 17:34		
Analyst:	PP		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.5	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.17	1
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.95	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.22	1
Dibromochloromethane	ND		ug/kg	0.95	0.29	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.95	0.13	1
Chlorobenzene	ND		ug/kg	0.95	0.33	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.12	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.95	0.10	1
Bromodichloromethane	ND		ug/kg	0.95	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.95	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.7	0.43	1
Bromoform	ND		ug/kg	3.8	0.39	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.95	0.16	1
Benzene	ND		ug/kg	0.95	0.11	1
Toluene	ND		ug/kg	1.4	0.11	1
Ethylbenzene	ND		ug/kg	0.95	0.14	1
Chloromethane	ND		ug/kg	4.7	0.74	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.13	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	1.4		ug/kg	0.95	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.23	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-01 Date Collected: 09/13/13 13:45

Client ID: G1_SB-07A_3.5-4 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.9	0.10	1
p/m-Xylene	ND		ug/kg	1.9	0.31	1
o-Xylene	ND		ug/kg	1.9	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.14	1
Dibromomethane	ND		ug/kg	9.5	0.16	1
Styrene	ND		ug/kg	1.9	0.29	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.21	1
Acetone	ND		ug/kg	9.5	2.9	1
Carbon disulfide	ND		ug/kg	9.5	1.9	1
2-Butanone	ND		ug/kg	9.5	0.34	1
Vinyl acetate	ND		ug/kg	9.5	0.46	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.5	0.21	1
2-Hexanone	ND		ug/kg	9.5	0.18	1
Bromochloromethane	ND		ug/kg	4.7	0.19	1
2,2-Dichloropropane	ND		ug/kg	4.7	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.95	0.30	1
Bromobenzene	ND		ug/kg	4.7	0.20	1
n-Butylbenzene	ND		ug/kg	0.95	0.19	1
sec-Butylbenzene	ND		ug/kg	0.95	0.20	1
tert-Butylbenzene	ND		ug/kg	4.7	0.53	1
o-Chlorotoluene	ND		ug/kg	4.7	0.15	1
p-Chlorotoluene	ND		ug/kg	4.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	0.75	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.40	1
Isopropylbenzene	ND		ug/kg	0.95	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.18	1
Naphthalene	ND		ug/kg	4.7	0.73	1
Acrylonitrile	ND		ug/kg	9.5	0.22	1
n-Propylbenzene	ND		ug/kg	0.95	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.75	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.54	1
Methyl Acetate	ND		ug/kg	19	0.72	1
Cyclohexane	ND		ug/kg	19	1.0	1
1,4-Dioxane	ND		ug/kg	95	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-01	Date Collected:	09/13/13 13:45
Client ID:	G1_SB-07A_3.5-4	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	19	0.26	1
p-Diethylbenzene	ND		ug/kg	3.8	0.15	1
p-Ethyltoluene	ND		ug/kg	3.8	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.12	1
Ethyl ether	ND		ug/kg	4.7	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	0.42	1
Methyl cyclohexane	ND		ug/kg	3.8	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-02	Date Collected:	09/13/13 13:55
Client ID:	G1_SB-07A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 04:38		
Analyst:	PP		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	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	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.54	1
Bromoform	ND		ug/kg	4.7	0.49	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.9	0.93	1
Bromomethane	0.63	J	ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.29	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-02 Date Collected: 09/13/13 13:55

Client ID: G1_SB-07A_9-9.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.38	1
o-Xylene	ND		ug/kg	2.4	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.4	0.37	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	33		ug/kg	12	3.7	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	5.3	J	ug/kg	12	0.42	1
Vinyl acetate	ND		ug/kg	12	0.57	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.9	0.23	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.9	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.23	1
sec-Butylbenzene	ND		ug/kg	1.2	0.24	1
tert-Butylbenzene	ND		ug/kg	5.9	0.66	1
o-Chlorotoluene	ND		ug/kg	5.9	0.19	1
p-Chlorotoluene	ND		ug/kg	5.9	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.93	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.50	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	5.9	0.91	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.93	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.68	1
Methyl Acetate	ND		ug/kg	24	0.90	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-02	Date Collected:	09/13/13 13:55
Client ID:	G1_SB-07A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	24	0.32	1
p-Diethylbenzene	ND		ug/kg	4.7	0.19	1
p-Ethyltoluene	ND		ug/kg	4.7	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.53	1
Methyl cyclohexane	ND		ug/kg	4.7	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	97		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-07	Date Collected:	09/13/13 15:00
Client ID:	G1_SB-08A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 05:12		
Analyst:	PP		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	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	0.37	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	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.55	1
Bromoform	ND		ug/kg	4.8	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.0	0.94	1
Bromomethane	0.66	J	ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.29	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-07 Date Collected: 09/13/13 15:00

Client ID: G1_SB-08A_9-9.5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.12	1
p/m-Xylene	ND		ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.32	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	0.37	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	49		ug/kg	12	3.7	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	6.7	J	ug/kg	12	0.43	1
Vinyl acetate	ND		ug/kg	12	0.58	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.27	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	6.0	0.24	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	0.21	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	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.0	0.67	1
o-Chlorotoluene	ND		ug/kg	6.0	0.19	1
p-Chlorotoluene	ND		ug/kg	6.0	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.95	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.51	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.0	0.92	1
Acrylonitrile	ND		ug/kg	12	0.28	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.95	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.69	1
Methyl Acetate	ND		ug/kg	24	0.92	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-07	Date Collected:	09/13/13 15:00
Client ID:	G1_SB-08A_9-9.5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
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	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1
Ethyl ether	ND		ug/kg	6.0	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	0.54	1
Methyl cyclohexane	ND		ug/kg	4.8	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-08	Date Collected:	09/13/13 14:55
Client ID:	G1_SB-08A_4.5-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 05:47		
Analyst:	PP		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.8	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.16	1
Chloroform	ND		ug/kg	1.3	0.33	1
Carbon tetrachloride	ND		ug/kg	0.88	0.18	1
1,2-Dichloropropane	ND		ug/kg	3.1	0.20	1
Dibromochloromethane	ND		ug/kg	0.88	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.27	1
Tetrachloroethene	ND		ug/kg	0.88	0.12	1
Chlorobenzene	ND		ug/kg	0.88	0.31	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	0.88	0.10	1
Bromodichloromethane	ND		ug/kg	0.88	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.88	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.4	0.40	1
Bromoform	ND		ug/kg	3.5	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.88	0.15	1
Benzene	ND		ug/kg	0.88	0.10	1
Toluene	ND		ug/kg	1.3	0.10	1
Ethylbenzene	ND		ug/kg	0.88	0.13	1
Chloromethane	ND		ug/kg	4.4	0.69	1
Bromomethane	0.39	J	ug/kg	1.8	0.30	1
Vinyl chloride	ND		ug/kg	1.8	0.12	1
Chloroethane	ND		ug/kg	1.8	0.28	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Trichloroethene	0.38	J	ug/kg	0.88	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.4	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	4.4	0.21	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-08 Date Collected: 09/13/13 14:55

Client ID: G1_SB-08A_4.5-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.09	1
p/m-Xylene	ND		ug/kg	1.8	0.28	1
o-Xylene	ND		ug/kg	1.8	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.88	0.13	1
Dibromomethane	ND		ug/kg	8.8	0.14	1
Styrene	ND		ug/kg	1.8	0.27	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.19	1
Acetone	ND		ug/kg	8.8	2.7	1
Carbon disulfide	ND		ug/kg	8.8	1.8	1
2-Butanone	ND		ug/kg	8.8	0.31	1
Vinyl acetate	ND		ug/kg	8.8	0.42	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	8.8	0.20	1
2-Hexanone	ND		ug/kg	8.8	0.17	1
Bromochloromethane	ND		ug/kg	4.4	0.17	1
2,2-Dichloropropane	ND		ug/kg	4.4	0.20	1
1,2-Dibromoethane	ND		ug/kg	3.5	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.4	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.88	0.28	1
Bromobenzene	ND		ug/kg	4.4	0.18	1
n-Butylbenzene	ND		ug/kg	0.88	0.17	1
sec-Butylbenzene	ND		ug/kg	0.88	0.18	1
tert-Butylbenzene	ND		ug/kg	4.4	0.50	1
o-Chlorotoluene	ND		ug/kg	4.4	0.14	1
p-Chlorotoluene	ND		ug/kg	4.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	0.70	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.37	1
Isopropylbenzene	ND		ug/kg	0.88	0.15	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.17	1
Naphthalene	ND		ug/kg	4.4	0.68	1
Acrylonitrile	ND		ug/kg	8.8	0.21	1
n-Propylbenzene	ND		ug/kg	0.88	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.4	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.4	0.70	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.4	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.4	0.51	1
Methyl Acetate	ND		ug/kg	18	0.68	1
Cyclohexane	ND		ug/kg	18	0.95	1
1,4-Dioxane	ND		ug/kg	88	15.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-08	Date Collected:	09/13/13 14:55
Client ID:	G1_SB-08A_4.5-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.24	1
p-Diethylbenzene	ND		ug/kg	3.5	0.14	1
p-Ethyltoluene	ND		ug/kg	3.5	0.10	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.5	0.12	1
Ethyl ether	ND		ug/kg	4.4	0.23	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	0.40	1
Methyl cyclohexane	ND		ug/kg	3.5	1.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-09	Date Collected:	09/13/13 00:00
Client ID:	TB05_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 14:55		
Analyst:	PD		

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	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-09 Date Collected: 09/13/13 00:00

Client ID: TB05_091313 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	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	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-09	Date Collected:	09/13/13 00:00
Client ID:	TB05_091313	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	109		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,07-08 Batch: WG637772-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.27	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	1.3	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,07-08 Batch: WG637772-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 22:14
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,07-08 Batch: WG637772-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG637788-3					
Methylene chloride	3.2	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.22	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG637788-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/13 09:57
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG637788-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG637829-3					
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	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG637829-3					
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	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
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
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

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG637829-3					
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	0.24
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	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								
Methylene chloride	113		124		70-130	9		30
1,1-Dichloroethane	104		106		70-130	2		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	99		98		70-130	1		30
1,2-Dichloropropane	102		104		70-130	2		30
Dibromochloromethane	112		117		70-130	4		30
1,1,2-Trichloroethane	108		113		70-130	5		30
Tetrachloroethene	102		102		70-130	0		30
Chlorobenzene	106		109		70-130	3		30
Trichlorofluoromethane	87		94		70-139	8		30
1,2-Dichloroethane	99		104		70-130	5		30
1,1,1-Trichloroethane	107		106		70-130	1		30
Bromodichloromethane	106		109		70-130	3		30
trans-1,3-Dichloropropene	86		89		70-130	3		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
1,1-Dichloropropene	100		99		70-130	1		30
Bromoform	103		110		70-130	7		30
1,1,2,2-Tetrachloroethane	113		122		70-130	8		30
Benzene	106		106		70-130	0		30
Toluene	102		103		70-130	1		30
Ethylbenzene	109		110		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								
Chloromethane	125		126		52-130	1		30
Bromomethane	126		126		57-147	0		30
Vinyl chloride	128		127		67-130	1		30
Chloroethane	107		106		50-151	1		30
1,1-Dichloroethene	107		107		65-135	0		30
trans-1,2-Dichloroethene	105		105		70-130	0		30
Trichloroethene	100		100		70-130	0		30
1,2-Dichlorobenzene	107		112		70-130	5		30
1,3-Dichlorobenzene	107		111		70-130	4		30
1,4-Dichlorobenzene	108		112		70-130	4		30
Methyl tert butyl ether	83		85		66-130	2		30
p/m-Xylene	108		109		70-130	1		30
o-Xylene	107		109		70-130	2		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	97		104		70-130	7		30
Styrene	111		115		70-130	4		30
Dichlorodifluoromethane	84		95		30-146	12		30
Acetone	119		131		54-140	10		30
Carbon disulfide	104		102		59-130	2		30
2-Butanone	101		108		70-130	7		30
Vinyl acetate	101		107		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								
4-Methyl-2-pentanone	101		108		70-130	7		30
1,2,3-Trichloropropane	108		116		68-130	7		30
2-Hexanone	106		116		70-130	9		30
Bromochloromethane	100		106		70-130	6		30
2,2-Dichloropropane	87		84		70-130	4		30
1,2-Dibromoethane	111		118		70-130	6		30
1,3-Dichloropropane	103		109		69-130	6		30
1,1,1,2-Tetrachloroethane	103		106		70-130	3		30
Bromobenzene	106		109		70-130	3		30
n-Butylbenzene	110		111		70-130	1		30
sec-Butylbenzene	110		111		70-130	1		30
tert-Butylbenzene	107		107		70-130	0		30
o-Chlorotoluene	110		112		70-130	2		30
p-Chlorotoluene	109		111		70-130	2		30
1,2-Dibromo-3-chloropropane	99		108		68-130	9		30
Hexachlorobutadiene	92		95		67-130	3		30
Isopropylbenzene	108		108		70-130	0		30
p-Isopropyltoluene	107		107		70-130	0		30
Naphthalene	103		111		70-130	7		30
Acrylonitrile	104		116		70-130	11		30
Isopropyl Ether	101		104		66-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								
tert-Butyl Alcohol	104		110		70-130	6		30
n-Propylbenzene	110		112		70-130	2		30
1,2,3-Trichlorobenzene	105		111		70-130	6		30
1,2,4-Trichlorobenzene	103		107		70-130	4		30
1,3,5-Trimethylbenzene	108		109		70-130	1		30
1,2,4-Trimethylbenzene	106		109		70-130	3		30
Methyl Acetate	105		116		51-146	10		30
Ethyl Acetate	111		120		70-130	8		30
Acrolein	99		109		70-130	10		30
Cyclohexane	87		97		59-142	11		30
1,4-Dioxane	111		123		65-136	10		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	87		98		50-139	12		30
1,4-Diethylbenzene	108		109		70-130	1		30
4-Ethyltoluene	110		111		70-130	1		30
1,2,4,5-Tetramethylbenzene	105		108		70-130	3		30
Tetrahydrofuran	105		116		66-130	10		30
Ethyl ether	104		108		67-130	4		30
trans-1,4-Dichloro-2-butene	101		105		70-130	4		30
Methyl cyclohexane	87		97		70-130	11		30
Ethyl-Tert-Butyl-Ether	101		103		70-130	2		30
Tertiary-Amyl Methyl Ether	**62**	Q	**63**	Q	70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,07-08 Batch: WG637772-1 WG637772-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	104		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								
Methylene chloride	114		111		70-130	3		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	96		90		70-130	6		30
1,2-Dichloropropane	97		94		70-130	3		30
Dibromochloromethane	93		94		70-130	1		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	98		91		70-130	7		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	94		86		70-139	9		30
1,2-Dichloroethane	95		93		70-130	2		30
1,1,1-Trichloroethane	97		92		70-130	5		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	93		94		70-130	1		30
1,1-Dichloropropene	96		91		70-130	5		30
Bromoform	95		93		70-130	2		30
1,1,2,2-Tetrachloroethane	93		92		70-130	1		30
Benzene	98		94		70-130	4		30
Toluene	96		93		70-130	3		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								
Chloromethane	91		89		52-130	2		30
Bromomethane	113		99		57-147	13		30
Vinyl chloride	96		90		67-130	6		30
Chloroethane	126		116		50-151	8		30
1,1-Dichloroethene	96		89		65-135	8		30
trans-1,2-Dichloroethene	99		93		70-130	6		30
Trichloroethene	98		95		70-130	3		30
1,2-Dichlorobenzene	98		94		70-130	4		30
1,3-Dichlorobenzene	99		95		70-130	4		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	99		96		70-130	3		30
o-Xylene	99		96		70-130	3		30
cis-1,2-Dichloroethene	99		95		70-130	4		30
Dibromomethane	95		94		70-130	1		30
Styrene	100		98		70-130	2		30
Dichlorodifluoromethane	82		76		30-146	8		30
Acetone	127		114		54-140	11		30
Carbon disulfide	97		91		59-130	6		30
2-Butanone	116		107		70-130	8		30
Vinyl acetate	89		88		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								
4-Methyl-2-pentanone	92		95		70-130	3		30
1,2,3-Trichloropropane	96		95		68-130	1		30
2-Hexanone	104		99		70-130	5		30
Bromochloromethane	100		98		70-130	2		30
2,2-Dichloropropane	100		95		70-130	5		30
1,2-Dibromoethane	95		94		70-130	1		30
1,3-Dichloropropane	94		94		69-130	0		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	98		95		70-130	3		30
n-Butylbenzene	100		96		70-130	4		30
sec-Butylbenzene	100		94		70-130	6		30
tert-Butylbenzene	100		94		70-130	6		30
o-Chlorotoluene	100		95		70-130	5		30
p-Chlorotoluene	100		96		70-130	4		30
1,2-Dibromo-3-chloropropane	115		77		68-130	**40**	Q	30
Hexachlorobutadiene	98		94		67-130	4		30
Isopropylbenzene	101		95		70-130	6		30
p-Isopropyltoluene	102		96		70-130	6		30
Naphthalene	96		97		70-130	1		30
Acrylonitrile	94		96		70-130	2		30
Isopropyl Ether	98		97		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								
tert-Butyl Alcohol	90		90		70-130	0		30
n-Propylbenzene	101		95		70-130	6		30
1,2,3-Trichlorobenzene	100		98		70-130	2		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	102		96		70-130	6		30
1,2,4-Trimethylbenzene	100		96		70-130	4		30
Methyl Acetate	91		92		51-146	1		30
Ethyl Acetate	93		93		70-130	0		30
Acrolein	88		93		70-130	6		30
Cyclohexane	89		83		59-142	7		30
1,4-Dioxane	88		89		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		79		50-139	7		30
1,4-Diethylbenzene	102		97		70-130	5		30
4-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		101		70-130	3		30
Tetrahydrofuran	97		98		66-130	1		30
Ethyl ether	97		94		67-130	3		30
trans-1,4-Dichloro-2-butene	93		92		70-130	1		30
Methyl cyclohexane	87		80		70-130	8		30
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		30
Tertiary-Amyl Methyl Ether	98		97		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG637788-1 WG637788-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	109		104		70-130	5		20
Chloroform	113		109		70-130	4		20
2-Chloroethylvinyl ether	84		85		70-130	1		20
Carbon tetrachloride	122		115		63-132	6		20
1,2-Dichloropropane	100		97		70-130	3		20
Dibromochloromethane	108		107		63-130	1		20
1,1,2-Trichloroethane	96		98		70-130	2		20
Tetrachloroethene	105		101		70-130	4		20
Chlorobenzene	98		97		75-130	1		20
Trichlorofluoromethane	127		119		62-150	7		20
1,2-Dichloroethane	123		119		70-130	3		20
1,1,1-Trichloroethane	122		114		67-130	7		20
Bromodichloromethane	113		112		67-130	1		20
trans-1,3-Dichloropropene	103		104		70-130	1		20
cis-1,3-Dichloropropene	107		105		70-130	2		20
1,1-Dichloropropene	111		104		70-130	7		20
Bromoform	105		111		54-136	6		20
1,1,2,2-Tetrachloroethane	84		91		67-130	8		20
Benzene	104		99		70-130	5		20
Toluene	94		90		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								
Ethylbenzene	100		96		70-130	4		20
Chloromethane	**60**	Q	69		64-130	14		20
Bromomethane	61		68		39-139	11		20
Vinyl chloride	94		88		55-140	7		20
Chloroethane	119		113		55-138	5		20
1,1-Dichloroethene	114		105		61-145	8		20
trans-1,2-Dichloroethene	110		104		70-130	6		20
Trichloroethene	109		103		70-130	6		20
1,2-Dichlorobenzene	92		98		70-130	6		20
1,3-Dichlorobenzene	93		95		70-130	2		20
1,4-Dichlorobenzene	93		95		70-130	2		20
Methyl tert butyl ether	119		118		63-130	1		20
p/m-Xylene	100		98		70-130	2		20
o-Xylene	101		99		70-130	2		20
cis-1,2-Dichloroethene	107		102		70-130	5		20
Dibromomethane	109		111		70-130	2		20
1,2,3-Trichloropropane	91		96		64-130	5		20
Acrylonitrile	98		102		70-130	4		20
Isopropyl Ether	108		103		70-130	5		20
tert-Butyl Alcohol	**138**	Q	**156**	Q	70-130	12		20
Styrene	101		100		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								
Dichlorodifluoromethane	88		83		36-147	6		20
Acetone	134		**158**	Q	58-148	16		20
Carbon disulfide	104		97		51-130	7		20
2-Butanone	116		115		63-138	1		20
Vinyl acetate	111		112		70-130	1		20
4-Methyl-2-pentanone	109		106		59-130	3		20
2-Hexanone	104		113		57-130	8		20
Bromochloromethane	120		117		70-130	3		20
2,2-Dichloropropane	133		120		63-133	10		20
1,2-Dibromoethane	103		104		70-130	1		20
1,3-Dichloropropane	99		98		70-130	1		20
1,1,1,2-Tetrachloroethane	102		102		64-130	0		20
Bromobenzene	97		99		70-130	2		20
n-Butylbenzene	91		90		53-136	1		20
sec-Butylbenzene	92		93		70-130	1		20
tert-Butylbenzene	96		97		70-130	1		20
o-Chlorotoluene	98		97		70-130	1		20
p-Chlorotoluene	93		93		70-130	0		20
1,2-Dibromo-3-chloropropane	96		100		41-144	4		20
Hexachlorobutadiene	102		105		63-130	3		20
Isopropylbenzene	94		94		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								
p-Isopropyltoluene	96		96		70-130	0		20
Naphthalene	92		97		70-130	5		20
n-Propylbenzene	92		92		69-130	0		20
1,2,3-Trichlorobenzene	92		100		70-130	8		20
1,2,4-Trichlorobenzene	98		100		70-130	2		20
1,3,5-Trimethylbenzene	96		96		64-130	0		20
1,2,4-Trimethylbenzene	95		96		70-130	1		20
Methyl Acetate	112		116		70-130	4		20
Ethyl Acetate	114		114		70-130	0		20
Cyclohexane	106		96		70-130	10		20
Ethyl-Tert-Butyl-Ether	114		113		70-130	1		20
Tertiary-Amyl Methyl Ether	112		111		66-130	1		20
1,4-Dioxane	121		138		56-162	13		20
Freon-113	118		107		70-130	10		20
p-Diethylbenzene	94		94		70-130	0		20
p-Ethyltoluene	94		95		70-130	1		20
1,2,4,5-Tetramethylbenzene	96		97		70-130	1		20
Ethyl ether	114		112		59-134	2		20
trans-1,4-Dichloro-2-butene	89		100		70-130	12		20
Methyl cyclohexane	109		100		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG637829-1 WG637829-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	105		105		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 09:34		
Analyst:	PS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	380		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	61.	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	6700		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	56.	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	410		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	53	J	ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	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	47.	1
Benzo(a)anthracene	3100		ug/kg	110	36.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-03 Date Collected: 09/13/13 14:10

Client ID: G1_COMP-07D_5-10 Date Received: 09/13/13

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)pyrene	3300		ug/kg	150	46.	1
Benzo(b)fluoranthene	4200		ug/kg	110	38.	1
Benzo(k)fluoranthene	1700		ug/kg	110	36.	1
Chrysene	3600		ug/kg	110	37.	1
Acenaphthylene	170		ug/kg	150	35.	1
Anthracene	1200		ug/kg	110	31.	1
Benzo(ghi)perylene	2400		ug/kg	150	39.	1
Fluorene	500		ug/kg	190	54.	1
Phenanthrene	5600		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	590		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	2600		ug/kg	150	41.	1
Pyrene	6000		ug/kg	110	36.	1
Biphenyl	78	J	ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	400		ug/kg	190	62.	1
2-Methylnaphthalene	240		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	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	400		ug/kg	190	40.	1
Benzaldehyde	ND		ug/kg	250	75.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	76		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	111		30-120
2,4,6-Tribromophenol	121		0-136
4-Terphenyl-d14	114		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04 D	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 01:01		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	440		ug/kg	290	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	67.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	96.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	92.	2
Fluoranthene	6300		ug/kg	220	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	83.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	65.	2
Isophorone	ND		ug/kg	320	96.	2
Naphthalene	270	J	ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	150	J	ug/kg	360	94.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	ND		ug/kg	360	69.	2
Di-n-octylphthalate	ND		ug/kg	360	88.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	91.	2
Benzo(a)anthracene	3500		ug/kg	220	70.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-04 D Date Collected: 09/13/13 14:05

Client ID: G1_COMP-07S_0-5 Date Received: 09/13/13

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)pyrene	2800		ug/kg	290	88.	2
Benzo(b)fluoranthene	3400		ug/kg	220	73.	2
Benzo(k)fluoranthene	1300		ug/kg	220	69.	2
Chrysene	3600		ug/kg	220	71.	2
Acenaphthylene	130	J	ug/kg	290	67.	2
Anthracene	1400		ug/kg	220	60.	2
Benzo(ghi)perylene	1600		ug/kg	290	75.	2
Fluorene	470		ug/kg	360	100	2
Phenanthrene	6300		ug/kg	220	70.	2
Dibenzo(a,h)anthracene	430		ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	290	80.	2
Pyrene	6000		ug/kg	220	70.	2
Biphenyl	ND		ug/kg	820	120	2
4-Chloroaniline	ND		ug/kg	360	95.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	99.	2
4-Nitroaniline	ND		ug/kg	360	97.	2
Dibenzofuran	390		ug/kg	360	120	2
2-Methylnaphthalene	180	J	ug/kg	430	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	940	130	2
Pentachlorophenol	ND		ug/kg	290	77.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	420		ug/kg	360	77.	2
Benzaldehyde	ND		ug/kg	480	140	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04 D	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	99.	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	61.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	103		0-136
4-Terphenyl-d14	73		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 01:27		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	180		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	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	59.	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	1900		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	110	J	ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	74	J	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	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	920		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-05 Date Collected: 09/13/13 15:20

Client ID: G1_COMP-08D_5-10 Date Received: 09/13/13

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)pyrene	940		ug/kg	160	48.	1
Benzo(b)fluoranthene	1100		ug/kg	120	39.	1
Benzo(k)fluoranthene	390		ug/kg	120	37.	1
Chrysene	940		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	400		ug/kg	120	32.	1
Benzo(ghi)perylene	570		ug/kg	160	41.	1
Fluorene	180	J	ug/kg	200	56.	1
Phenanthrene	1800		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	150		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	630		ug/kg	160	43.	1
Pyrene	1600		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	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	150	J	ug/kg	200	65.	1
2-Methylnaphthalene	91	J	ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	60.	1
Acetophenone	ND		ug/kg	200	60.	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	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	71.	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	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	140	J	ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	79.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	62		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	103		0-136
4-Terphenyl-d14	73		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06 D	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 19:15
Analytical Date:	09/19/13 11:11		
Analyst:	PS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	5600		ug/kg	1400	370	10
1,2,4-Trichlorobenzene	ND		ug/kg	1800	590	10
Hexachlorobenzene	ND		ug/kg	1100	330	10
Bis(2-chloroethyl)ether	ND		ug/kg	1600	500	10
2-Chloronaphthalene	ND		ug/kg	1800	580	10
1,2-Dichlorobenzene	ND		ug/kg	1800	590	10
1,3-Dichlorobenzene	ND		ug/kg	1800	560	10
1,4-Dichlorobenzene	ND		ug/kg	1800	540	10
3,3'-Dichlorobenzidine	ND		ug/kg	1800	480	10
2,4-Dinitrotoluene	ND		ug/kg	1800	390	10
2,6-Dinitrotoluene	ND		ug/kg	1800	460	10
Fluoranthene	28000		ug/kg	1100	330	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1800	540	10
4-Bromophenyl phenyl ether	ND		ug/kg	1800	410	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2200	630	10
Bis(2-chloroethoxy)methane	ND		ug/kg	1900	540	10
Hexachlorobutadiene	ND		ug/kg	1800	510	10
Hexachlorocyclopentadiene	ND		ug/kg	5100	1200	10
Hexachloroethane	ND		ug/kg	1400	330	10
Isophorone	ND		ug/kg	1600	480	10
Naphthalene	6600		ug/kg	1800	600	10
Nitrobenzene	ND		ug/kg	1600	430	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1400	380	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1800	530	10
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	1800	470	10
Butyl benzyl phthalate	ND		ug/kg	1800	350	10
Di-n-butylphthalate	ND		ug/kg	1800	350	10
Di-n-octylphthalate	ND		ug/kg	1800	440	10
Diethyl phthalate	ND		ug/kg	1800	380	10
Dimethyl phthalate	ND		ug/kg	1800	460	10
Benzo(a)anthracene	13000		ug/kg	1100	350	10

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06 D Date Collected: 09/13/13 15:15

Client ID: G1_COMP-08S_0-5 Date Received: 09/13/13

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)pyrene	12000		ug/kg	1400	440	10
Benzo(b)fluoranthene	15000		ug/kg	1100	360	10
Benzo(k)fluoranthene	6100		ug/kg	1100	340	10
Chrysene	13000		ug/kg	1100	350	10
Acenaphthylene	ND		ug/kg	1400	340	10
Anthracene	9000		ug/kg	1100	300	10
Benzo(ghi)perylene	7700		ug/kg	1400	370	10
Fluorene	5000		ug/kg	1800	510	10
Phenanthrene	29000		ug/kg	1100	350	10
Dibenzo(a,h)anthracene	2000		ug/kg	1100	350	10
Indeno(1,2,3-cd)Pyrene	8900		ug/kg	1400	400	10
Pyrene	24000		ug/kg	1100	350	10
Biphenyl	690	J	ug/kg	4100	590	10
4-Chloroaniline	ND		ug/kg	1800	470	10
2-Nitroaniline	ND		ug/kg	1800	510	10
3-Nitroaniline	ND		ug/kg	1800	500	10
4-Nitroaniline	ND		ug/kg	1800	480	10
Dibenzofuran	3000		ug/kg	1800	600	10
2-Methylnaphthalene	3600		ug/kg	2200	570	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	560	10
Acetophenone	ND		ug/kg	1800	560	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	340	10
P-Chloro-M-Cresol	ND		ug/kg	1800	520	10
2-Chlorophenol	ND		ug/kg	1800	540	10
2,4-Dichlorophenol	ND		ug/kg	1600	580	10
2,4-Dimethylphenol	ND		ug/kg	1800	530	10
2-Nitrophenol	ND		ug/kg	3900	560	10
4-Nitrophenol	ND		ug/kg	2500	580	10
2,4-Dinitrophenol	ND		ug/kg	8600	2400	10
4,6-Dinitro-o-cresol	ND		ug/kg	4700	660	10
Pentachlorophenol	ND		ug/kg	1400	380	10
Phenol	ND		ug/kg	1800	530	10
2-Methylphenol	ND		ug/kg	1800	580	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2600	590	10
2,4,5-Trichlorophenol	ND		ug/kg	1800	580	10
Benzoic Acid	ND		ug/kg	5800	1800	10
Benzyl Alcohol	ND		ug/kg	1800	550	10
Carbazole	3400		ug/kg	1800	380	10
Benzaldehyde	ND		ug/kg	2400	720	10

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06 D Date Collected: 09/13/13 15:15

Client ID: G1_COMP-08S_0-5 Date Received: 09/13/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	1800	500	10
Atrazine	ND		ug/kg	1400	410	10
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1800	300	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	8		0-136
4-Terphenyl-d14	85		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-06 Batch: WG636546-1					
Acenaphthene	ND		ug/kg	130	33.
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.
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.
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.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-06 Batch: WG636546-1					
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.
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.
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.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 13:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-06 Batch: WG636546-1					
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.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	86		0-136
4-Terphenyl-d14	83		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06 Batch: WG636546-2 WG636546-3								
Acenaphthene	90		101		31-137	12		50
1,2,4-Trichlorobenzene	72		88		38-107	20		50
Hexachlorobenzene	106		110		40-140	4		50
Bis(2-chloroethyl)ether	66		84		40-140	24		50
2-Chloronaphthalene	89		105		40-140	16		50
1,2-Dichlorobenzene	66		84		40-140	24		50
1,3-Dichlorobenzene	64		84		40-140	27		50
1,4-Dichlorobenzene	64		84		28-104	27		50
3,3'-Dichlorobenzidine	91		81		40-140	12		50
2,4-Dinitrotoluene	**109**	Q	**115**	Q	28-89	5		50
2,6-Dinitrotoluene	108		116		40-140	7		50
Fluoranthene	106		111		40-140	5		50
4-Chlorophenyl phenyl ether	98		106		40-140	8		50
4-Bromophenyl phenyl ether	107		112		40-140	5		50
Bis(2-chloroisopropyl)ether	66		83		40-140	23		50
Bis(2-chloroethoxy)methane	74		91		40-117	21		50
Hexachlorobutadiene	71		87		40-140	20		50
Hexachlorocyclopentadiene	**27**	Q	**39**	Q	40-140	36		50
Hexachloroethane	58		77		40-140	28		50
Isophorone	80		98		40-140	20		50
Naphthalene	73		89		40-140	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06 Batch: WG636546-2 WG636546-3								
Nitrobenzene	70		87		40-140	22		50
NitrosoDiPhenylAmine(NDPA)/DPA	107		111			4		50
n-Nitrosodi-n-propylamine	73		90		32-121	21		50
Bis(2-Ethylhexyl)phthalate	114		115		40-140	1		50
Butyl benzyl phthalate	109		114		40-140	4		50
Di-n-butylphthalate	106		110		40-140	4		50
Di-n-octylphthalate	122		125		40-140	2		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	98		104		40-140	6		50
Benzo(a)anthracene	105		108		40-140	3		50
Benzo(a)pyrene	110		112		40-140	2		50
Benzo(b)fluoranthene	110		114		40-140	4		50
Benzo(k)fluoranthene	104		107		40-140	3		50
Chrysene	105		109		40-140	4		50
Acenaphthylene	97		111		40-140	13		50
Anthracene	109		112		40-140	3		50
Benzo(ghi)perylene	101		105		40-140	4		50
Fluorene	100		108		40-140	8		50
Phenanthrene	101		105		40-140	4		50
Dibenzo(a,h)anthracene	105		109		40-140	4		50
Indeno(1,2,3-cd)Pyrene	107		111		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06 Batch: WG636546-2 WG636546-3								
Pyrene	104		111		35-142	7		50
Biphenyl	85		98			14		50
4-Chloroaniline	56		51		40-140	9		50
2-Nitroaniline	115		124		47-134	8		50
3-Nitroaniline	83		78		26-129	6		50
4-Nitroaniline	96		99		41-125	3		50
Dibenzofuran	93		104		40-140	11		50
2-Methylnaphthalene	81		97		40-140	18		50
1,2,4,5-Tetrachlorobenzene	81		96		40-117	17		50
Acetophenone	79		98		14-144	21		50
2,4,6-Trichlorophenol	108		122		30-130	12		50
P-Chloro-M-Cresol	**108**	Q	**119**	Q	26-103	10		50
2-Chlorophenol	74		93		25-102	23		50
2,4-Dichlorophenol	91		108		30-130	17		50
2,4-Dimethylphenol	94		114		30-130	19		50
2-Nitrophenol	80		100		30-130	22		50
4-Nitrophenol	114		**119**	Q	11-114	4		50
2,4-Dinitrophenol	43		49		4-130	13		50
4,6-Dinitro-o-cresol	46		50		10-130	8		50
Pentachlorophenol	97		103		17-109	6		50
Phenol	74		90		26-90	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-06 Batch: WG636546-2 WG636546-3								
2-Methylphenol	83		100		30-130.	19		50
3-Methylphenol/4-Methylphenol	86		102		30-130	17		50
2,4,5-Trichlorophenol	110		123		30-130	11		50
Benzoic Acid	51		58			13		50
Benzyl Alcohol	75		92		40-140	20		50
Carbazole	106		110		54-128	4		50
Benzaldehyde	63		83			27		50
Caprolactam	108		115			6		50
Atrazine	117		114			3		50
2,3,4,6-Tetrachlorophenol	112		118			5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		88		25-120
Phenol-d6	78		92		10-120
Nitrobenzene-d5	71		86		23-120
2-Fluorobiphenyl	85		99		30-120
2,4,6-Tribromophenol	113		114		0-136
4-Terphenyl-d14	92		94		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/18/13 22:34		
Analyst:	JV		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	200	J	ug/kg	2900	55.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		70-130
4-Bromofluorobenzene	79		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/19/13 01:32		
Analyst:	AR		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	322000		ug/kg	37000	3620	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:15
Analytical Date:	09/18/13 00:44		
Analyst:	AR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	264000		ug/kg	35700	3500	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	98		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 00:35		
Analyst:	JV		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	91		70-130

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 01:15		
Analyst:	AR		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	148000		ug/kg	38000	3720	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 01:16		
Analyst:	JV		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1800	J	ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	95		70-130

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 01:46		
Analyst:	AR		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	402000		ug/kg	34600	3390	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	103		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 01:56		
Analyst:	JV		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2700	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	98		70-130
4-Bromofluorobenzene	90		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 03-06 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 21:53
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 03-06 Batch: WG637130-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	74		70-130
4-Bromofluorobenzene	72		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03-06 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-06 Batch: WG637130-1 WG637130-2								
Gasoline Range Organics	111		112		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	109		108		70-130
4-Bromofluorobenzene	112		112		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637130-5 QC Sample: L1318164-03 Client ID: G1_COMP-07D_5-10												
Gasoline Range Organics	200J	23000	26000	112		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	107				70-130
4-Bromofluorobenzene	108				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637130-4 QC Sample: L1318164-03 Client ID: G1_COMP-07D_5-10					
Gasoline Range Organics	200J	570J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		72		70-130
4-Bromofluorobenzene	79		77		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/17/13 00:51
Analytical Date:	09/20/13 00:57	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	7.27	1	A
Aroclor 1221	ND		ug/kg	36.8	11.1	1	A
Aroclor 1232	ND		ug/kg	36.8	7.82	1	A
Aroclor 1242	ND		ug/kg	36.8	6.99	1	A
Aroclor 1248	ND		ug/kg	36.8	4.45	1	A
Aroclor 1254	24.9	J	ug/kg	36.8	5.80	1	B
Aroclor 1260	11.7	J	ug/kg	36.8	6.39	1	A
Aroclor 1262	ND		ug/kg	36.8	2.72	1	A
Aroclor 1268	ND		ug/kg	36.8	5.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/17/13 00:51
Analytical Date:	09/20/13 01:10	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.3	6.97	1	A
Aroclor 1221	ND		ug/kg	35.3	10.6	1	A
Aroclor 1232	ND		ug/kg	35.3	7.50	1	A
Aroclor 1242	ND		ug/kg	35.3	6.70	1	A
Aroclor 1248	ND		ug/kg	35.3	4.27	1	A
Aroclor 1254	ND		ug/kg	35.3	5.56	1	A
Aroclor 1260	21.3	J	ug/kg	35.3	6.13	1	A
Aroclor 1262	ND		ug/kg	35.3	2.61	1	A
Aroclor 1268	ND		ug/kg	35.3	5.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/20/13 14:33
Analytical Date:	09/21/13 16:59	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	09/20/13
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.9	7.68	1	A
Aroclor 1221	ND		ug/kg	38.9	11.7	1	A
Aroclor 1232	ND		ug/kg	38.9	8.26	1	A
Aroclor 1242	ND		ug/kg	38.9	7.38	1	A
Aroclor 1248	ND		ug/kg	38.9	4.70	1	A
Aroclor 1254	ND		ug/kg	38.9	6.13	1	A
Aroclor 1260	ND		ug/kg	38.9	6.74	1	A
Aroclor 1262	ND		ug/kg	38.9	2.87	1	A
Aroclor 1268	ND		ug/kg	38.9	5.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/17/13 00:51
Analytical Date:	09/20/13 01:34	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	6.96	1	A
Aroclor 1221	ND		ug/kg	35.2	10.6	1	A
Aroclor 1232	ND		ug/kg	35.2	7.48	1	A
Aroclor 1242	ND		ug/kg	35.2	6.68	1	A
Aroclor 1248	ND		ug/kg	35.2	4.26	1	A
Aroclor 1254	ND		ug/kg	35.2	5.55	1	A
Aroclor 1260	33.6	J	ug/kg	35.2	6.11	1	A
Aroclor 1262	ND		ug/kg	35.2	2.60	1	A
Aroclor 1268	ND		ug/kg	35.2	5.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318164

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/20/13 05:53
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/17/13 00:51
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04,06 Batch: WG636596-1						
Aroclor 1016	ND		ug/kg	33.2	6.56	A
Aroclor 1221	ND		ug/kg	33.2	10.0	A
Aroclor 1232	ND		ug/kg	33.2	7.05	A
Aroclor 1242	ND		ug/kg	33.2	6.30	A
Aroclor 1248	ND		ug/kg	33.2	4.02	A
Aroclor 1254	ND		ug/kg	33.2	5.23	A
Aroclor 1260	ND		ug/kg	33.2	5.76	A
Aroclor 1262	ND		ug/kg	33.2	2.46	A
Aroclor 1268	ND		ug/kg	33.2	4.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318164

Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 15:33
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 09/20/13 14:33
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/20/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05 Batch: WG637820-1						
Aroclor 1016	ND		ug/kg	32.5	6.41	A
Aroclor 1221	ND		ug/kg	32.5	9.79	A
Aroclor 1232	ND		ug/kg	32.5	6.90	A
Aroclor 1242	ND		ug/kg	32.5	6.16	A
Aroclor 1248	ND		ug/kg	32.5	3.93	A
Aroclor 1254	ND		ug/kg	32.5	5.12	A
Aroclor 1260	ND		ug/kg	32.5	5.64	A
Aroclor 1262	ND		ug/kg	32.5	2.40	A
Aroclor 1268	ND		ug/kg	32.5	4.71	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04,06 Batch: WG636596-2 WG636596-3									
Aroclor 1016	59		65		40-140	10		50	A
Aroclor 1260	51		52		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		74		30-150	A
Decachlorobiphenyl	61		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		75		30-150	B
Decachlorobiphenyl	65		65		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05 Batch: WG637820-2 WG637820-3									
Aroclor 1016	62		75		40-140	19		50	A
Aroclor 1260	65		81		40-140	22		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		83		30-150	A
Decachlorobiphenyl	72		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		78		30-150	B
Decachlorobiphenyl	84		105		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 16:24	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	22.7	1	A
2,4,5-T	ND		ug/kg	187	11.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	10.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	44		30-150	A
DCAA	36		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03 D	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 21:34	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.93	1.75	5	A
Lindane	ND		ug/kg	3.72	1.66	5	A
Alpha-BHC	ND		ug/kg	3.72	1.06	5	A
Beta-BHC	ND		ug/kg	8.93	3.38	5	A
Heptachlor	ND		ug/kg	4.46	2.00	5	A
Aldrin	ND		ug/kg	8.93	3.14	5	A
Heptachlor epoxide	ND		ug/kg	16.7	5.02	5	A
Endrin	ND		ug/kg	3.72	1.52	5	A
Endrin ketone	ND		ug/kg	8.93	2.30	5	A
Dieldrin	ND		ug/kg	5.58	2.79	5	A
4,4'-DDE	ND		ug/kg	8.93	2.06	5	A
4,4'-DDD	ND		ug/kg	8.93	3.18	5	A
4,4'-DDT	11.5	J	ug/kg	16.7	7.18	5	B
Endosulfan I	ND		ug/kg	8.93	2.11	5	A
Endosulfan II	ND		ug/kg	8.93	2.98	5	A
Endosulfan sulfate	ND		ug/kg	3.72	1.70	5	A
Methoxychlor	ND		ug/kg	16.7	5.21	5	A
Toxaphene	ND		ug/kg	167	46.9	5	A
cis-Chlordane	ND		ug/kg	11.2	3.11	5	A
trans-Chlordane	ND		ug/kg	11.2	2.94	5	A
Chlordane	ND		ug/kg	72.5	29.6	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 16:05	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	90%		

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	92		30-150	A
DCAA	75		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04 D	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:43	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.6	3.46	10	A
Lindane	ND		ug/kg	7.36	3.29	10	A
Alpha-BHC	ND		ug/kg	7.36	2.09	10	A
Beta-BHC	ND		ug/kg	17.6	6.69	10	A
Heptachlor	ND		ug/kg	8.83	3.96	10	A
Aldrin	ND		ug/kg	17.6	6.22	10	A
Heptachlor epoxide	ND		ug/kg	33.1	9.93	10	A
Endrin	ND		ug/kg	7.36	3.02	10	A
Endrin ketone	ND		ug/kg	17.6	4.55	10	A
Dieldrin	ND		ug/kg	11.0	5.52	10	A
4,4'-DDE	ND		ug/kg	17.6	4.08	10	A
4,4'-DDD	ND		ug/kg	17.6	6.30	10	A
4,4'-DDT	ND		ug/kg	33.1	14.2	10	A
Endosulfan I	ND		ug/kg	17.6	4.17	10	A
Endosulfan II	ND		ug/kg	17.6	5.90	10	A
Endosulfan sulfate	ND		ug/kg	7.36	3.36	10	A
Methoxychlor	ND		ug/kg	33.1	10.3	10	A
Toxaphene	ND		ug/kg	331	92.7	10	A
cis-Chlordane	ND		ug/kg	22.1	6.15	10	A
trans-Chlordane	ND		ug/kg	22.1	5.83	10	A
Chlordane	ND		ug/kg	143	58.5	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	**184**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	38		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 18:43	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	193	23.5	1	A
2,4,5-T	ND		ug/kg	193	12.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	193	10.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	78		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05 D	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 21:46	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.27	1.81	5	A
Lindane	ND		ug/kg	3.86	1.72	5	A
Alpha-BHC	ND		ug/kg	3.86	1.10	5	A
Beta-BHC	ND		ug/kg	9.27	3.51	5	A
Heptachlor	ND		ug/kg	4.63	2.08	5	A
Aldrin	ND		ug/kg	9.27	3.26	5	A
Heptachlor epoxide	ND		ug/kg	17.4	5.21	5	A
Endrin	ND		ug/kg	3.86	1.58	5	A
Endrin ketone	ND		ug/kg	9.27	2.39	5	A
Dieldrin	ND		ug/kg	5.79	2.90	5	A
4,4'-DDE	ND		ug/kg	9.27	2.14	5	A
4,4'-DDD	ND		ug/kg	9.27	3.30	5	A
4,4'-DDT	ND		ug/kg	17.4	7.45	5	A
Endosulfan I	ND		ug/kg	9.27	2.19	5	A
Endosulfan II	ND		ug/kg	9.27	3.10	5	A
Endosulfan sulfate	ND		ug/kg	3.86	1.76	5	A
Methoxychlor	ND		ug/kg	17.4	5.40	5	A
Toxaphene	ND		ug/kg	174	48.6	5	A
cis-Chlordane	ND		ug/kg	11.6	3.23	5	A
trans-Chlordane	ND		ug/kg	11.6	3.06	5	A
Chlordane	ND		ug/kg	75.3	30.7	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	123		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 19:03	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	21.9	1	A
2,4,5-T	ND		ug/kg	180	11.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	9.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	58		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06 D	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/16/13 21:54
Analytical Date:	09/18/13 20:55	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/17/13
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	16.5	3.23	10	A
Lindane	ND		ug/kg	6.88	3.07	10	A
Alpha-BHC	ND		ug/kg	6.88	1.95	10	A
Beta-BHC	ND		ug/kg	16.5	6.26	10	A
Heptachlor	ND		ug/kg	8.25	3.70	10	A
Aldrin	ND		ug/kg	16.5	5.81	10	A
Heptachlor epoxide	ND		ug/kg	30.9	9.28	10	A
Endrin	ND		ug/kg	6.88	2.82	10	A
Endrin ketone	ND		ug/kg	16.5	4.25	10	A
Dieldrin	ND		ug/kg	10.3	5.16	10	A
4,4'-DDE	ND		ug/kg	16.5	3.82	10	A
4,4'-DDD	ND		ug/kg	16.5	5.89	10	A
4,4'-DDT	ND		ug/kg	30.9	13.3	10	A
Endosulfan I	ND		ug/kg	16.5	3.90	10	A
Endosulfan II	ND		ug/kg	16.5	5.52	10	A
Endosulfan sulfate	ND		ug/kg	6.88	3.14	10	A
Methoxychlor	ND		ug/kg	30.9	9.63	10	A
Toxaphene	ND		ug/kg	309	86.6	10	A
cis-Chlordane	ND		ug/kg	20.6	5.75	10	A
trans-Chlordane	ND		ug/kg	20.6	5.45	10	A
Chlordane	ND		ug/kg	134	54.7	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-06 Batch: WG636326-1						
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	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/13 16:15
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/16/13 21:54
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-06 Batch: WG636563-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.403	A
Dieldrin	ND		ug/kg	0.979	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.523	A
Endosulfan sulfate	ND		ug/kg	0.653	0.298	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	12.7	5.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	149		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-06 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-06 Batch: WG636563-2 WG636563-3									
Delta-BHC	70		79		30-150	12		30	A
Lindane	69		78		30-150	12		30	A
Alpha-BHC	65		75		30-150	14		30	A
Beta-BHC	72		79		30-150	9		30	A
Heptachlor	70		81		30-150	15		30	A
Aldrin	69		81		30-150	16		30	A
Heptachlor epoxide	63		74		30-150	16		30	A
Endrin	75		89		30-150	17		30	A
Endrin ketone	65		76		30-150	16		30	A
Dieldrin	66		79		30-150	18		30	A
4,4'-DDE	64		76		30-150	17		30	A
4,4'-DDD	66		79		30-150	18		30	A
4,4'-DDT	68		80		30-150	16		30	A
Endosulfan I	66		78		30-150	17		30	A
Endosulfan II	59		70		30-150	17		30	A
Endosulfan sulfate	63		74		30-150	16		30	A
Methoxychlor	68		80		30-150	16		30	A
cis-Chlordane	65		77		30-150	17		30	A
trans-Chlordane	66		79		30-150	18		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-06 Batch: WG636563-2 WG636563-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		85		30-150	A
Decachlorobiphenyl	94		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		73		30-150	B
Decachlorobiphenyl	131		143		30-150	B

METALS

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-03
Client ID: G1_COMP-07D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 09/13/13 14:10
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Barium, TCLP	0.55		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Lead, TCLP	0.06	J	mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:51	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 19:09	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-03
Client ID: G1_COMP-07D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 09/13/13 14:10
Date Received: 09/13/13
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	3500		mg/kg	8.8	1.8	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Antimony, Total	1.2	J	mg/kg	4.4	0.70	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Arsenic, Total	18		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Barium, Total	120		mg/kg	0.88	0.26	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Beryllium, Total	0.21	J	mg/kg	0.44	0.09	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Cadmium, Total	0.66	J	mg/kg	0.88	0.06	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Calcium, Total	18000		mg/kg	8.8	2.6	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Chromium, Total	8.4		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Cobalt, Total	5.0		mg/kg	1.8	0.44	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Copper, Total	150		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Iron, Total	14000		mg/kg	4.4	1.8	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Lead, Total	330		mg/kg	4.4	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Magnesium, Total	1400		mg/kg	8.8	0.88	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Manganese, Total	180		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Mercury, Total	1.2		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:29	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.2	0.35	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Potassium, Total	570		mg/kg	220	35.	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Selenium, Total	2.6		mg/kg	1.8	0.26	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.88	0.18	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Sodium, Total	440		mg/kg	180	26.	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.35	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Vanadium, Total	13		mg/kg	0.88	0.09	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT
Zinc, Total	130		mg/kg	4.4	0.62	2	09/17/13 14:42	09/19/13 12:29	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-04
Client ID: G1_COMP-07S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/13/13 14:05
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Barium, TCLP	0.71		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Chromium, TCLP	0.02	J	mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Lead, TCLP	0.07	J	mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:53	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 19:20	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-04
Client ID: G1_COMP-07S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/13/13 14:05
Date Received: 09/13/13
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	6700		mg/kg	8.3	1.7	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.67	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Arsenic, Total	6.3		mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Barium, Total	200		mg/kg	0.83	0.25	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Beryllium, Total	4.2		mg/kg	0.42	0.08	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Cadmium, Total	1.5		mg/kg	0.83	0.06	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Calcium, Total	34000		mg/kg	8.3	2.5	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Chromium, Total	54		mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Cobalt, Total	56		mg/kg	1.7	0.42	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Copper, Total	920		mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Iron, Total	33000		mg/kg	4.2	1.7	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Lead, Total	810		mg/kg	4.2	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Magnesium, Total	11000		mg/kg	8.3	0.83	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Manganese, Total	440		mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Mercury, Total	1.4		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:31	EPA 7471B	1,7471B	MC
Nickel, Total	92		mg/kg	2.1	0.33	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Potassium, Total	820		mg/kg	210	33.	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Selenium, Total	0.49	J	mg/kg	1.7	0.25	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Silver, Total	0.32	J	mg/kg	0.83	0.17	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Sodium, Total	710		mg/kg	170	25.	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.33	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.83	0.08	2	09/17/13 14:42	09/19/13 12:33	EPA 3050B	1,6010C	TT
Zinc, Total	5400		mg/kg	21	2.9	10	09/17/13 14:42	09/19/13 18:47	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/17/13 15:33
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Barium, TCLP	0.22	J	mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Lead, TCLP	0.41	J	mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:55	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 19:24	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-05
Client ID: G1_COMP-08D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/13/13 15:20
Date Received: 09/13/13
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	6500		mg/kg	9.3	1.8	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.6	0.74	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Arsenic, Total	30		mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Barium, Total	110		mg/kg	0.93	0.28	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Beryllium, Total	1.0		mg/kg	0.46	0.09	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Cadmium, Total	1.6		mg/kg	0.93	0.07	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Calcium, Total	13000		mg/kg	9.3	2.8	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Chromium, Total	13		mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Cobalt, Total	10		mg/kg	1.8	0.46	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Copper, Total	310		mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Iron, Total	28000		mg/kg	4.6	1.8	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Lead, Total	380		mg/kg	4.6	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Magnesium, Total	1200		mg/kg	9.3	0.93	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Manganese, Total	120		mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Mercury, Total	1.5		mg/kg	0.09	0.02	1	09/20/13 09:09	09/20/13 11:32	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	2.3	0.37	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Potassium, Total	860		mg/kg	230	37.	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Selenium, Total	2.4		mg/kg	1.8	0.28	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Silver, Total	0.21	J	mg/kg	0.93	0.18	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Sodium, Total	550		mg/kg	180	28.	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Vanadium, Total	21		mg/kg	0.93	0.09	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT
Zinc, Total	220		mg/kg	4.6	0.65	2	09/17/13 14:42	09/19/13 12:37	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06
Client ID: G1_COMP-08S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 15:15
Date Received: 09/13/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Barium, TCLP	0.41	J	mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Lead, TCLP	0.20	J	mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:56	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 19:28	EPA 3015	1,6010C	MG

Project Name: GREENPOINT LANDING
Lab Number: L1318164
Project Number: 170229002
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06
Client ID: G1_COMP-08S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 09/13/13 15:15
Date Received: 09/13/13
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	8400		mg/kg	8.5	1.7	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.68	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Arsenic, Total	13		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Barium, Total	340		mg/kg	0.85	0.25	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Beryllium, Total	4.0		mg/kg	0.42	0.09	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Cadmium, Total	1.4		mg/kg	0.85	0.06	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Calcium, Total	48000		mg/kg	8.5	2.5	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Chromium, Total	54		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Cobalt, Total	29		mg/kg	1.7	0.42	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Copper, Total	440		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Iron, Total	26000		mg/kg	4.2	1.7	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Lead, Total	680		mg/kg	4.2	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Magnesium, Total	14000		mg/kg	8.5	0.85	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Manganese, Total	280		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Mercury, Total	0.22		mg/kg	0.08	0.02	1	09/20/13 09:09	09/20/13 11:34	EPA 7471B	1,7471B	MC
Nickel, Total	51		mg/kg	2.1	0.34	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Potassium, Total	1300		mg/kg	210	34.	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Selenium, Total	0.69	J	mg/kg	1.7	0.25	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.85	0.17	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Sodium, Total	560		mg/kg	170	25.	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Vanadium, Total	24		mg/kg	0.85	0.09	2	09/17/13 14:42	09/19/13 12:41	EPA 3050B	1,6010C	TT
Zinc, Total	2500		mg/kg	21	3.0	10	09/17/13 14:42	09/19/13 19:06	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

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): 03-06 Batch: WG636801-1										
Aluminum, Total	1.2	J	mg/kg	4.0	0.80	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Calcium, Total	2.4	J	mg/kg	4.0	1.2	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/17/13 14:42	09/19/13 11:38	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-06 Batch: WG637022-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/18/13 09:42	09/18/13 13:04	1,7470A	JH

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-06 Batch: WG637118-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Lead, TCLP	ND		mg/l	0.50	0.02	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/18/13 12:57	09/18/13 17:44	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/17/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-06 Batch: WG637435-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/20/13 09:09	09/20/13 10:56	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06 Batch: WG636801-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	82		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	109		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	92		-		83-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	100		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	86		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	83		-		74-126	-		
Manganese, Total	100		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	108		-		66-134	-		
Sodium, Total	103		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-06 Batch: WG636801-2 SRM Lot Number: 0518-10-02					
Zinc, Total	97	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 Batch: WG637022-2					
Mercury, TCLP	101	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 Batch: WG637118-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	104	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	108	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	98	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03-06 Batch: WG637435-2 SRM Lot Number: 0518-10-02					
Mercury, Total	117	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

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): 03-06 QC Batch ID: WG636801-3 WG636801-4 QC Sample: L1318157-08 Client ID: MS Sample												
Aluminum, Total	4200	164	5000	**489**	Q	5100	**524**	Q	75-125	2		35
Antimony, Total	ND	40.9	37	90		39	91		75-125	5		35
Arsenic, Total	0.95	9.82	11	102		11	97		75-125	0		35
Barium, Total	8.4	164	170	99		180	100		75-125	6		35
Beryllium, Total	0.18J	4.09	4.2	103		4.4	102		75-125	5		35
Cadmium, Total	0.29J	4.17	4.2	101		4.5	103		75-125	7		35
Calcium, Total	620	818	4500	**474**	Q	1900	**149**	Q	75-125	**81**	Q	35
Chromium, Total	9.4	16.4	24	89		29	114		75-125	19		35
Cobalt, Total	2.1	40.9	40	93		43	95		75-125	7		35
Copper, Total	7.7	20.4	29	104		29	99		75-125	0		35
Iron, Total	9400	81.8	9100	**0**	Q	10000	**698**	Q	75-125	9		35
Lead, Total	3.5J	41.7	44	105		46	105		75-125	4		35
Magnesium, Total	680	818	1600	112		1600	107		75-125	0		35
Manganese, Total	59.	40.9	120	**149**	Q	100	95		75-125	18		35
Nickel, Total	5.5	40.9	44	94		46	94		75-125	4		35
Potassium, Total	190J	818	1000	122		1000	116		75-125	0		35
Selenium, Total	ND	9.82	9.9	101		10	97		75-125	1		35
Silver, Total	ND	24.5	24	98		25	97		75-125	4		35
Sodium, Total	140J	818	1600	**196**	Q	1300	**151**	Q	75-125	21		35
Thallium, Total	ND	9.82	8.4	86		9.0	87		75-125	7		35
Vanadium, Total	11.	40.9	51	98		56	105		75-125	9		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

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): 03-06 QC Batch ID: WG636801-3 WG636801-4 QC Sample: L1318157-08 Client ID: MS Sample										
Zinc, Total	11.	40.9	52	100		52	95	75-125	0	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637022-4 QC Sample: L1318003-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0246	98		-	-	70-130	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637118-4 QC Sample: L1318152-01 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.3	108		-	-	75-125	-	20
Barium, TCLP	0.14J	20	21	105		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.53	104		-	-	75-125	-	20
Chromium, TCLP	ND	2	2.0	100		-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.5	108		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.4	117		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.49	98		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637435-4 QC Sample: L1318157-06 Client ID: MS Sample										
Mercury, Total	0.06J	0.16	0.26	**162**	Q	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637022-3 QC Sample: L1318003-03 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637118-3 QC Sample: L1318152-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.14J	0.14J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	0.02J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG637435-3 QC Sample: L1318157-06 Client ID: DUP Sample						
Mercury, Total	0.06J	0.09	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-03	Date Collected:	09/13/13 14:10
Client ID:	G1_COMP-07D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-04	Date Collected:	09/13/13 14:05
Client ID:	G1_COMP-07S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-05	Date Collected:	09/13/13 15:20
Client ID:	G1_COMP-08D_5-10	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

SAMPLE RESULTS

Lab ID:	L1318164-06	Date Collected:	09/13/13 15:15
Client ID:	G1_COMP-08S_0-5	Date Received:	09/13/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/16/13 21:47	1,1030	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-01
Client ID: G1_SB-07A_3.5-4
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:45
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-02
Client ID: G1_SB-07A_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 13:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-03
Client ID: G1_COMP-07D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 14:10
Date Received: 09/13/13
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	0.92	0.92	1	-	09/20/13 10:52	107,-	JO
Solids, Total	86.9		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/17/13 11:20	09/18/13 14:45	1,9010C/9012A	JO
pH (H)	8.2		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.92	0.21	1	09/16/13 22:00	09/18/13 00:28	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:51	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:42	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-04
Client ID: G1_COMP-07S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 14:05
Date Received: 09/13/13
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	54		mg/kg	0.89	0.89	1	-	09/20/13 10:52	107,-	JO
Solids, Total	90.2		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/17/13 11:20	09/18/13 14:49	1,9010C/9012A	JO
pH (H)	8.7		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.89	0.20	1	09/16/13 22:00	09/18/13 00:29	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:51	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:43	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-05
Client ID: G1_COMP-08D_5-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 15:20
Date Received: 09/13/13
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	13		mg/kg	0.94	0.94	1	-	09/20/13 10:52	107,-	JO
Solids, Total	85.2		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	09/17/13 11:20	09/18/13 14:50	1,9010C/9012A	JO
pH (H)	7.6		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.94	0.21	1	09/16/13 22:00	09/18/13 00:29	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:51	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:43	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-06
Client ID: G1_COMP-08S_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 15:15
Date Received: 09/13/13
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	54		mg/kg	0.88	0.88	1	-	09/20/13 10:52	107,-	JO
Solids, Total	91.0		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	09/17/13 11:20	09/18/13 14:51	1,9010C/9012A	JO
pH (H)	11.0		SU	-	NA	1	-	09/14/13 19:25	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.88	0.20	1	09/16/13 22:00	09/18/13 00:30	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:52	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:44	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-07
Client ID: G1_SB-08A_9-9.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 15:00
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.3		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

SAMPLE RESULTS

Lab ID: L1318164-08
Client ID: G1_SB-08A_4.5-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/13/13 14:55
Date Received: 09/13/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.3		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING **Lab Number:** L1318164

Project Number: 170229002 **Report Date:** 09/23/13

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): 03-06 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 03-06 Batch: WG636702-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	09/17/13 11:20	09/18/13 14:38	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 03-06 Batch: WG636827-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:47	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03-06 Batch: WG636831-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 17:45	09/17/13 21:39	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636184-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636702-2 WG636702-3								
Cyanide, Total	104		105		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636827-2								
Cyanide, Reactive	37		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-06 Batch: WG636831-2								
Sulfide, Reactive	83		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318164
Report Date: 09/23/13

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): 03-06 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636702-4 WG636702-5 QC Sample: L1318164-03 Client ID: G1_COMP-07D_5-10												
Cyanide, Total	ND	11	11	97		11	99		65-135	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636184-2 QC Sample: L1318158-03 Client ID: DUP Sample						
pH	7.5	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG636567-1 QC Sample: L1318162-01 Client ID: DUP Sample						
Solids, Total	90.2	91.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636827-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-06 QC Batch ID: WG636831-3 QC Sample: L1318096-06 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318164
Report Date: 09/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 17:33

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-01A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-01B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-01C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-01D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1318164-01X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-01Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-01Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-02A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-02B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-02C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-02D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1318164-02X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-02Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-02Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-03A	Vial Large Septa unpreserved	A	N/A	2.0	Y	Absent	TPH-GRO(14)
L1318164-03B	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(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: L1318164
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-03C	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318164-03X	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318164-04A	Vial Large Septa unpreserved	A	N/A	2.0	Y	Absent	TPH-GRO(14)
L1318164-04B	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(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: L1318164
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-04C	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318164-04X	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318164-05A	Vial Large Septa unpreserved	A	N/A	2.0	Y	Absent	TPH-GRO(14)
L1318164-05B	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(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: L1318164
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-05C	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318164-05X	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318164-06A	Vial Large Septa unpreserved	A	N/A	2.0	Y	Absent	TPH-GRO(14)
L1318164-06B	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(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: L1318164
Report Date: 09/23/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318164-06C	Amber 500ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318164-06X	Plastic 250ml HNO3 preserved spl	A	<2	2.0	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318164-07A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-07B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-07C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-07D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1318164-07X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-07Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-07Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-08A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-08B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-08C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1318164-08D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1318164-08X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-08Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-08Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1318164-09A	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)
L1318164-09B	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

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

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.
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.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318164
Project Number:	170229002	**Report Date:**	09/23/13

Data Qualifiers

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:** L1318164
Project Number: 170229002 **Report Date:** 09/23/13

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.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318164

Client Information

Client: Langan, D.P.C.

Address: 360 W 31st St. 8th floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: GWYKA@LANGAN.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Greenpoint Landing

Project Location: Brooklyn, NY

Project #: 170 229002

Project Manager: Mimi Raygorodetsky

ALPHA Quote #: 2013 9603

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 9/20/13 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	6 NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters;
2) provide category A data deliverables;
3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC (+ 10 Metals, Total CN, Hex Chrom, TCLP ROP & metals, RCRA char)	SVOC (+ 8 PEST, Herb, TPH DRO)	4PH GRO	VOC	Sample Specific Comments	Total # Bottles
18164.1	GI_SB-07A_(3.5-4)	9/13/13	13:45	SOIL	NB	X	X				4
2	GI-SB-07A_(9-9.5)		13:55		NB	X	X				4
3	GI_COMP-07D_5-10		14:10		NB	X	X	X			3
4	GI_COMP-07S_0-5		14:05		NB	X	X	X			3
5	GI_COMP-08D_5-10		15:20		NB	X	X	X			3
6	GI_COMP-08S_0-5		15:15		NB	X	X	X			3
7	GI_SB-08A_(9-9.5)		1500		NB	X	X				4
8	GI_SB-08A_(4.5-5)		14:55		NB	X	X				4
9	TRIP BLANK							X			2

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

Container Type													
Preservative													

COOLER C

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	9/13/13 1815	[illegible]	9/13/13 1815
[illegible]	9/13/13 2035	[illegible]	9/13/13 2035
[illegible]	9/14/13 00:20	[illegible]	9/14/13 0020

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:	L1318166
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:	09/24/13

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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: L1318166
Report Date: 09/24/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318166-01	CSO_SB-02B_5-5.5	BROOKLYN, NY	09/14/13 09:40
L1318166-02	CSO_COMP-02_0-10	BROOKLYN, NY	09/14/13 10:00
L1318166-03	CSO_COMP-03_0-10	BROOKLYN, NY	09/14/13 11:00
L1318166-04	CSO_SB-03A_8.5-9	BROOKLYN, NY	09/14/13 10:50
L1318166-05	CSO_COMP-04_0-10	BROOKLYN, NY	09/14/13 11:55
L1318166-06	TB01_091413	BROOKLYN, NY	09/14/13 00:00
L1318166-07	CSO_SB-04B_6.5-7.0	BROOKLYN, NY	09/14/13 11:45

Project Name: GREENPOINT LANDING **Lab Number:** L1318166
Project Number: 170229002 **Report Date:** 09/24/13

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 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.

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

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

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.

Semivolatile Organics

L1318166-02 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

Organochlorine Pesticides

L1318166-02 and -03 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318166-02, -03 and -05 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318166-02, -03 and -05, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

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: 09/24/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-01	Date Collected:	09/14/13 09:40
Client ID:	CSO_SB-02B_5-5.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 15:51		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	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	0.33	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	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.50	1
Bromoform	ND		ug/kg	4.4	0.45	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.4	0.85	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.26	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-01 Date Collected: 09/14/13 09:40

Client ID: CSO_SB-02B_5-5.5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.2	0.11	1
p/m-Xylene	ND		ug/kg	2.2	0.35	1
o-Xylene	ND		ug/kg	2.2	0.29	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	2.2	0.34	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	3.6	J	ug/kg	11	3.4	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.39	1
Vinyl acetate	ND		ug/kg	11	0.52	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
2-Hexanone	ND		ug/kg	11	0.20	1
Bromochloromethane	ND		ug/kg	5.4	0.21	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.4	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.4	0.61	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.86	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.46	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	1.7	J	ug/kg	5.4	0.84	1
Acrylonitrile	ND		ug/kg	11	0.26	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.86	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.62	1
Methyl Acetate	ND		ug/kg	22	0.83	1
Cyclohexane	ND		ug/kg	22	1.2	1
1,4-Dioxane	ND		ug/kg	110	19.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-01	Date Collected:	09/14/13 09:40
Client ID:	CSO_SB-02B_5-5.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	22	0.30	1
p-Diethylbenzene	ND		ug/kg	4.4	0.17	1
p-Ethyltoluene	ND		ug/kg	4.4	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.49	1
Methyl cyclohexane	ND		ug/kg	4.4	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-04	Date Collected:	09/14/13 10:50
Client ID:	CSO_SB-03A_8.5-9	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 22:32		
Analyst:	PP		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	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	0.38	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	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.56	1
Bromoform	ND		ug/kg	4.9	0.51	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.96	1
Bromomethane	ND		ug/kg	2.4	0.42	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.30	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-04 Date Collected: 09/14/13 10:50

Client ID: CSO_SB-03A_8.5-9 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.4	0.13	1
p/m-Xylene	ND		ug/kg	2.4	0.40	1
o-Xylene	ND		ug/kg	2.4	0.33	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	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	8.5	J	ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.44	1
Vinyl acetate	ND		ug/kg	12	0.59	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.1	0.24	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.21	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	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.1	0.69	1
o-Chlorotoluene	ND		ug/kg	6.1	0.20	1
p-Chlorotoluene	ND		ug/kg	6.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.97	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.52	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	6.1	0.94	1
Acrylonitrile	ND		ug/kg	12	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.97	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.70	1
Methyl Acetate	ND		ug/kg	24	0.94	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-04	Date Collected:	09/14/13 10:50
Client ID:	CSO_SB-03A_8.5-9	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
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	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.55	1
Methyl cyclohexane	ND		ug/kg	4.9	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-06	Date Collected:	09/14/13 00:00
Client ID:	TB01_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 18:29		
Analyst:	PD		

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	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-06 Date Collected: 09/14/13 00:00

Client ID: TB01_091413 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	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	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-06	Date Collected:	09/14/13 00:00
Client ID:	TB01_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-07	Date Collected:	09/14/13 11:45
Client ID:	CSO_SB-04B_6.5-7.0	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/22/13 23:00		
Analyst:	PP		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.7	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.24	1
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.7	0.31	1
Dibromochloromethane	ND		ug/kg	1.3	0.41	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.41	1
Tetrachloroethene	ND		ug/kg	1.3	0.19	1
Chlorobenzene	ND		ug/kg	1.3	0.47	1
Trichlorofluoromethane	ND		ug/kg	6.7	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.15	1
Bromodichloromethane	ND		ug/kg	1.3	0.31	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.17	1
1,1-Dichloropropene	ND		ug/kg	6.7	0.61	1
Bromoform	ND		ug/kg	5.4	0.56	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.23	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.20	1
Chloromethane	ND		ug/kg	6.7	1.0	1
Bromomethane	ND		ug/kg	2.7	0.46	1
Vinyl chloride	ND		ug/kg	2.7	0.19	1
Chloroethane	ND		ug/kg	2.7	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	0.39	J	ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.7	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	6.7	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	6.7	0.32	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-07 Date Collected: 09/14/13 11:45

Client ID: CSO_SB-04B_6.5-7.0 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.7	0.14	1
p/m-Xylene	ND		ug/kg	2.7	0.43	1
o-Xylene	ND		ug/kg	2.7	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Dibromomethane	ND		ug/kg	13	0.22	1
Styrene	ND		ug/kg	2.7	0.42	1
Dichlorodifluoromethane	ND		ug/kg	13	0.29	1
Acetone	ND		ug/kg	13	4.2	1
Carbon disulfide	ND		ug/kg	13	2.7	1
2-Butanone	ND		ug/kg	13	0.48	1
Vinyl acetate	ND		ug/kg	13	0.64	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.30	1
2-Hexanone	ND		ug/kg	13	0.25	1
Bromochloromethane	ND		ug/kg	6.7	0.26	1
2,2-Dichloropropane	ND		ug/kg	6.7	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.4	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.43	1
Bromobenzene	ND		ug/kg	6.7	0.28	1
n-Butylbenzene	ND		ug/kg	1.3	0.27	1
sec-Butylbenzene	ND		ug/kg	1.3	0.28	1
tert-Butylbenzene	ND		ug/kg	6.7	0.76	1
o-Chlorotoluene	ND		ug/kg	6.7	0.22	1
p-Chlorotoluene	ND		ug/kg	6.7	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.7	1.1	1
Hexachlorobutadiene	ND		ug/kg	6.7	0.57	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.26	1
Naphthalene	ND		ug/kg	6.7	1.0	1
Acrylonitrile	ND		ug/kg	13	0.32	1
n-Propylbenzene	ND		ug/kg	1.3	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.7	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.7	1.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.7	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.7	0.77	1
Methyl Acetate	ND		ug/kg	27	1.0	1
Cyclohexane	ND		ug/kg	27	1.4	1
1,4-Dioxane	ND		ug/kg	130	23.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-07	Date Collected:	09/14/13 11:45
Client ID:	CSO_SB-04B_6.5-7.0	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	27	0.37	1
p-Diethylbenzene	ND		ug/kg	5.4	0.22	1
p-Ethyltoluene	ND		ug/kg	5.4	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.4	0.18	1
Ethyl ether	ND		ug/kg	6.7	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	0.60	1
Methyl cyclohexane	ND		ug/kg	5.4	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG638014-3					
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	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG638014-3					
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	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
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
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

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG638014-3					
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	0.24
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	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,07 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,07 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04,07 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638262-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638262-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG638262-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
Freon-113	89		88		50-139	1		30
p-Diethylbenzene	99		99		70-130	0		30
p-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04,07 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
Freon-113	85		83		50-139	2		30
p-Diethylbenzene	94		94		70-130	0		30
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG638262-1 WG638262-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02 D	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 21:36		
Analyst:	PS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	160	J	ug/kg	600	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	750	250	4
Hexachlorobenzene	ND		ug/kg	450	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	680	210	4
2-Chloronaphthalene	ND		ug/kg	750	240	4
1,2-Dichlorobenzene	ND		ug/kg	750	250	4
1,3-Dichlorobenzene	ND		ug/kg	750	240	4
1,4-Dichlorobenzene	ND		ug/kg	750	230	4
3,3'-Dichlorobenzidine	ND		ug/kg	750	200	4
2,4-Dinitrotoluene	ND		ug/kg	750	160	4
2,6-Dinitrotoluene	ND		ug/kg	750	190	4
Fluoranthene	4000		ug/kg	450	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	750	230	4
4-Bromophenyl phenyl ether	ND		ug/kg	750	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	900	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	810	230	4
Hexachlorobutadiene	ND		ug/kg	750	210	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	480	4
Hexachloroethane	ND		ug/kg	600	140	4
Isophorone	ND		ug/kg	680	200	4
Naphthalene	320	J	ug/kg	750	250	4
Nitrobenzene	ND		ug/kg	680	180	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	600	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	750	220	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	750	200	4
Butyl benzyl phthalate	ND		ug/kg	750	150	4
Di-n-butylphthalate	ND		ug/kg	750	140	4
Di-n-octylphthalate	ND		ug/kg	750	180	4
Diethyl phthalate	ND		ug/kg	750	160	4
Dimethyl phthalate	ND		ug/kg	750	190	4
Benzo(a)anthracene	2000		ug/kg	450	150	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-02 D Date Collected: 09/14/13 10:00

Client ID: CSO_COMP-02_0-10 Date Received: 09/14/13

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)pyrene	2600		ug/kg	600	180	4
Benzo(b)fluoranthene	2800		ug/kg	450	150	4
Benzo(k)fluoranthene	1100		ug/kg	450	140	4
Chrysene	2200		ug/kg	450	150	4
Acenaphthylene	210	J	ug/kg	600	140	4
Anthracene	720		ug/kg	450	120	4
Benzo(ghi)perylene	1900		ug/kg	600	160	4
Fluorene	220	J	ug/kg	750	220	4
Phenanthrene	2500		ug/kg	450	150	4
Dibenzo(a,h)anthracene	440	J	ug/kg	450	140	4
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	600	170	4
Pyrene	3500		ug/kg	450	150	4
Biphenyl	ND		ug/kg	1700	250	4
4-Chloroaniline	ND		ug/kg	750	200	4
2-Nitroaniline	ND		ug/kg	750	210	4
3-Nitroaniline	ND		ug/kg	750	210	4
4-Nitroaniline	ND		ug/kg	750	200	4
Dibenzofuran	ND		ug/kg	750	250	4
2-Methylnaphthalene	ND		ug/kg	900	240	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	750	230	4
Acetophenone	ND		ug/kg	750	230	4
2,4,6-Trichlorophenol	ND		ug/kg	450	140	4
P-Chloro-M-Cresol	ND		ug/kg	750	220	4
2-Chlorophenol	ND		ug/kg	750	230	4
2,4-Dichlorophenol	ND		ug/kg	680	240	4
2,4-Dimethylphenol	ND		ug/kg	750	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3600	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	2000	280	4
Pentachlorophenol	ND		ug/kg	600	160	4
Phenol	ND		ug/kg	750	220	4
2-Methylphenol	ND		ug/kg	750	240	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	250	4
2,4,5-Trichlorophenol	ND		ug/kg	750	240	4
Benzoic Acid	ND		ug/kg	2400	760	4
Benzyl Alcohol	ND		ug/kg	750	230	4
Carbazole	270	J	ug/kg	750	160	4
Benzaldehyde	ND		ug/kg	990	300	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-02 D
Client ID: CSO_COMP-02_0-10
Sample Location: BROOKLYN, NY

Date Collected: 09/14/13 10:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	750	210	4
Atrazine	ND		ug/kg	600	170	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	750	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	55		0-136
4-Terphenyl-d14	81		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 22:03		
Analyst:	PS		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1100		ug/kg	180	45.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	72.	1
Hexachlorobenzene	ND		ug/kg	130	41.	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	72.	1
1,3-Dichlorobenzene	ND		ug/kg	220	69.	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	7600		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	77.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	66.	1
Hexachlorobutadiene	ND		ug/kg	220	62.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	140	1
Hexachloroethane	ND		ug/kg	180	40.	1
Isophorone	ND		ug/kg	200	58.	1
Naphthalene	520		ug/kg	220	73.	1
Nitrobenzene	ND		ug/kg	200	52.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	180	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	43.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	54.	1
Diethyl phthalate	ND		ug/kg	220	46.	1
Dimethyl phthalate	ND		ug/kg	220	56.	1
Benzo(a)anthracene	3900		ug/kg	130	43.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-03 Date Collected: 09/14/13 11:00

Client ID: CSO_COMP-03_0-10 Date Received: 09/14/13

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)pyrene	3500		ug/kg	180	54.	1
Benzo(b)fluoranthene	4100		ug/kg	130	44.	1
Benzo(k)fluoranthene	1700		ug/kg	130	42.	1
Chrysene	3500		ug/kg	130	43.	1
Acenaphthylene	430		ug/kg	180	41.	1
Anthracene	2900		ug/kg	130	36.	1
Benzo(ghi)perylene	1700		ug/kg	180	46.	1
Fluorene	1400		ug/kg	220	63.	1
Phenanthrene	7600		ug/kg	130	43.	1
Dibenzo(a,h)anthracene	570		ug/kg	130	42.	1
Indeno(1,2,3-cd)Pyrene	2000		ug/kg	180	48.	1
Pyrene	6600		ug/kg	130	42.	1
Biphenyl	120	J	ug/kg	500	72.	1
4-Chloroaniline	ND		ug/kg	220	58.	1
2-Nitroaniline	ND		ug/kg	220	62.	1
3-Nitroaniline	ND		ug/kg	220	60.	1
4-Nitroaniline	ND		ug/kg	220	59.	1
Dibenzofuran	860		ug/kg	220	73.	1
2-Methylnaphthalene	330		ug/kg	260	70.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	68.	1
Acetophenone	ND		ug/kg	220	68.	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	71.	1
2,4-Dimethylphenol	ND		ug/kg	220	65.	1
2-Nitrophenol	ND		ug/kg	470	68.	1
4-Nitrophenol	ND		ug/kg	310	71.	1
2,4-Dinitrophenol	ND		ug/kg	1000	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	80.	1
Pentachlorophenol	ND		ug/kg	180	47.	1
Phenol	ND		ug/kg	220	65.	1
2-Methylphenol	ND		ug/kg	220	70.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	72.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	71.	1
Benzoic Acid	ND		ug/kg	710	220	1
Benzyl Alcohol	ND		ug/kg	220	67.	1
Carbazole	1200		ug/kg	220	47.	1
Benzaldehyde	ND		ug/kg	290	88.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	220	60.	1
Atrazine	ND		ug/kg	180	50.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	102		0-136
4-Terphenyl-d14	92		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 22:31		
Analyst:	PS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	72	J	ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	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	59.	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	1200		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	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	100	J	ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	46.	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	40	J	ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	510		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-05 Date Collected: 09/14/13 11:55

Client ID: CSO_COMP-04_0-10 Date Received: 09/14/13

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)pyrene	560		ug/kg	160	48.	1
Benzo(b)fluoranthene	650		ug/kg	120	40.	1
Benzo(k)fluoranthene	240		ug/kg	120	37.	1
Chrysene	550		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	260		ug/kg	120	32.	1
Benzo(ghi)perylene	410		ug/kg	160	41.	1
Fluorene	90	J	ug/kg	200	56.	1
Phenanthrene	990		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	110	J	ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	390		ug/kg	160	43.	1
Pyrene	1100		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	64.	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	86	J	ug/kg	200	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	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	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	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	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	97	J	ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	79.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	81		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	107		0-136
4-Terphenyl-d14	99		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05 Batch: WG636555-1					
Acenaphthene	ND		ug/kg	130	33.
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.
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.
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.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05 Batch: WG636555-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
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.
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	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.
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	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,05 Batch: WG636555-1					
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	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	81		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636555-2 WG636555-3								
Acenaphthene	87		92		31-137	6		50
1,2,4-Trichlorobenzene	72		76		38-107	5		50
Hexachlorobenzene	98		98		40-140	0		50
Bis(2-chloroethyl)ether	70		75		40-140	7		50
2-Chloronaphthalene	79		86		40-140	8		50
1,2-Dichlorobenzene	71		77		40-140	8		50
1,3-Dichlorobenzene	69		76		40-140	10		50
1,4-Dichlorobenzene	69		76		28-104	10		50
3,3'-Dichlorobenzidine	63		58		40-140	8		50
2,4-Dinitrotoluene	**109**	Q	**110**	Q	28-89	1		50
2,6-Dinitrotoluene	102		106		40-140	4		50
Fluoranthene	110		110		40-140	0		50
4-Chlorophenyl phenyl ether	92		96		40-140	4		50
4-Bromophenyl phenyl ether	99		103		40-140	4		50
Bis(2-chloroisopropyl)ether	73		78		40-140	7		50
Bis(2-chloroethoxy)methane	74		79		40-117	7		50
Hexachlorobutadiene	71		77		40-140	8		50
Hexachlorocyclopentadiene	79		82		40-140	4		50
Hexachloroethane	71		78		40-140	9		50
Isophorone	80		85		40-140	6		50
Naphthalene	74		79		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636555-2 WG636555-3								
Nitrobenzene	78		85		40-140	9		50
NitrosoDiPhenylAmine(NDPA)/DPA	106		108			2		50
n-Nitrosodi-n-propylamine	83		89		32-121	7		50
Bis(2-Ethylhexyl)phthalate	103		105		40-140	2		50
Butyl benzyl phthalate	126		120		40-140	5		50
Di-n-butylphthalate	119		118		40-140	1		50
Di-n-octylphthalate	111		112		40-140	1		50
Diethyl phthalate	109		109		40-140	0		50
Dimethyl phthalate	99		102		40-140	3		50
Benzo(a)anthracene	106		107		40-140	1		50
Benzo(a)pyrene	104		108		40-140	4		50
Benzo(b)fluoranthene	103		101		40-140	2		50
Benzo(k)fluoranthene	96		103		40-140	7		50
Chrysene	98		101		40-140	3		50
Acenaphthylene	89		96		40-140	8		50
Anthracene	110		111		40-140	1		50
Benzo(ghi)perylene	98		103		40-140	5		50
Fluorene	96		100		40-140	4		50
Phenanthrene	100		104		40-140	4		50
Dibenzo(a,h)anthracene	101		104		40-140	3		50
Indeno(1,2,3-cd)Pyrene	106		108		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636555-2 WG636555-3								
Pyrene	108		106		35-142	2		50
Biphenyl	77		83			8		50
4-Chloroaniline	60		55		40-140	9		50
2-Nitroaniline	102		108		47-134	6		50
3-Nitroaniline	71		64		26-129	10		50
4-Nitroaniline	108		106		41-125	2		50
Dibenzofuran	91		95		40-140	4		50
2-Methylnaphthalene	74		80		40-140	8		50
1,2,4,5-Tetrachlorobenzene	77		81		40-117	5		50
Acetophenone	77		84		14-144	9		50
2,4,6-Trichlorophenol	96		103		30-130	7		50
P-Chloro-M-Cresol	103		**110**	Q	26-103	7		50
2-Chlorophenol	78		85		25-102	9		50
2,4-Dichlorophenol	84		92		30-130	9		50
2,4-Dimethylphenol	84		90		30-130	7		50
2-Nitrophenol	80		88		30-130	10		50
4-Nitrophenol	114		112		11-114	2		50
2,4-Dinitrophenol	102		96		4-130	6		50
4,6-Dinitro-o-cresol	121		116		10-130	4		50
Pentachlorophenol	103		100		17-109	3		50
Phenol	78		83		26-90	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636555-2 WG636555-3								
2-Methylphenol	84		90		30-130.	7		50
3-Methylphenol/4-Methylphenol	83		91		30-130	9		50
2,4,5-Trichlorophenol	96		103		30-130	7		50
Benzoic Acid	25		25			0		50
Benzyl Alcohol	83		87		40-140	5		50
Carbazole	108		108		54-128	0		50
Benzaldehyde	70		74			6		50
Caprolactam	114		116			2		50
Atrazine	120		126			5		50
2,3,4,6-Tetrachlorophenol	102		103			1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		79		25-120
Phenol-d6	75		78		10-120
Nitrobenzene-d5	77		80		23-120
2-Fluorobiphenyl	72		77		30-120
2,4,6-Tribromophenol	105		104		0-136
4-Terphenyl-d14	88		85		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 02:37		
Analyst:	JV		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	96		70-130
4-Bromofluorobenzene	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02 D	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 18:19		
Analyst:	AR		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1850000		ug/kg	182000	17800	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 02:48		
Analyst:	AR		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	317000		ug/kg	43400	4250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 03:18		
Analyst:	JV		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	3400	65.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	93		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 04:21		
Analyst:	AR		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	74500		ug/kg	37600	3680	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	106		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/19/13 03:58		
Analyst:	JV		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1300	J	ug/kg	3000	57.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	102		70-130
4-Bromofluorobenzene	95		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02-03,05 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 21:53
Analyst: JV

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 02-03,05 Batch: WG637130-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	74		70-130
4-Bromofluorobenzene	72		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637130-1 WG637130-2								
Gasoline Range Organics	111		112		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	109		108		70-130
4-Bromofluorobenzene	112		112		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637130-5 QC Sample: L1318164-03 Client ID: MS Sample												
Gasoline Range Organics	200J	23000	26000	112		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	107				70-130
4-Bromofluorobenzene	108				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637130-4 QC Sample: L1318164-03 Client ID: DUP Sample					
Gasoline Range Organics	200J	570J	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		72		70-130
4-Bromofluorobenzene	79		77		70-130

PCBS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 04:22	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	7.36	1	A
Aroclor 1221	ND		ug/kg	37.2	11.2	1	A
Aroclor 1232	ND		ug/kg	37.2	7.91	1	A
Aroclor 1242	ND		ug/kg	37.2	7.07	1	A
Aroclor 1248	24.6	J	ug/kg	37.2	4.51	1	B
Aroclor 1254	23.1	J	ug/kg	37.2	5.87	1	B
Aroclor 1260	28.3	J	ug/kg	37.2	6.46	1	B
Aroclor 1262	ND		ug/kg	37.2	2.75	1	A
Aroclor 1268	ND		ug/kg	37.2	5.40	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 04:35	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	74%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.5	8.59	1	A
Aroclor 1221	ND		ug/kg	43.5	13.1	1	A
Aroclor 1232	ND		ug/kg	43.5	9.24	1	A
Aroclor 1242	ND		ug/kg	43.5	8.25	1	A
Aroclor 1248	ND		ug/kg	43.5	5.26	1	A
Aroclor 1254	ND		ug/kg	43.5	6.85	1	A
Aroclor 1260	ND		ug/kg	43.5	7.55	1	A
Aroclor 1262	ND		ug/kg	43.5	3.22	1	A
Aroclor 1268	ND		ug/kg	43.5	6.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 04:48	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	7.52	1	A
Aroclor 1221	ND		ug/kg	38.1	11.5	1	A
Aroclor 1232	ND		ug/kg	38.1	8.09	1	A
Aroclor 1242	ND		ug/kg	38.1	7.23	1	A
Aroclor 1248	ND		ug/kg	38.1	4.61	1	A
Aroclor 1254	ND		ug/kg	38.1	6.00	1	A
Aroclor 1260	ND		ug/kg	38.1	6.61	1	A
Aroclor 1262	ND		ug/kg	38.1	2.82	1	A
Aroclor 1268	ND		ug/kg	38.1	5.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318166

Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-03,05 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 19:23	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	22.7	1	A
2,4,5-T	ND		ug/kg	187	11.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	10.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	62		30-150	A
DCAA	57		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02 D	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/19/13 14:36
Analytical Date:	09/20/13 11:38	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.5	3.43	10	A
Lindane	ND		ug/kg	7.30	3.26	10	A
Alpha-BHC	ND		ug/kg	7.30	2.07	10	A
Beta-BHC	ND		ug/kg	17.5	6.64	10	A
Heptachlor	ND		ug/kg	8.76	3.93	10	A
Aldrin	ND		ug/kg	17.5	6.17	10	A
Heptachlor epoxide	ND		ug/kg	32.8	9.86	10	A
Endrin	ND		ug/kg	7.30	2.99	10	A
Endrin ketone	ND		ug/kg	17.5	4.51	10	A
Dieldrin	ND		ug/kg	11.0	5.48	10	A
4,4'-DDE	ND		ug/kg	17.5	4.05	10	A
4,4'-DDD	ND		ug/kg	17.5	6.25	10	A
4,4'-DDT	ND		ug/kg	32.8	14.1	10	A
Endosulfan I	ND		ug/kg	17.5	4.14	10	A
Endosulfan II	ND		ug/kg	17.5	5.86	10	A
Endosulfan sulfate	ND		ug/kg	7.30	3.34	10	A
Methoxychlor	ND		ug/kg	32.8	10.2	10	A
Toxaphene	ND		ug/kg	328	92.0	10	A
cis-Chlordane	ND		ug/kg	21.9	6.10	10	A
trans-Chlordane	ND		ug/kg	21.9	5.78	10	A
Chlordane	ND		ug/kg	142	58.0	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 19:43	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	221	26.9	1	A
2,4,5-T	ND		ug/kg	221	13.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	221	12.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	108		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03 D	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/19/13 14:36
Analytical Date:	09/20/13 11:51	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	20.9	4.09	10	A
Lindane	ND		ug/kg	8.71	3.89	10	A
Alpha-BHC	ND		ug/kg	8.71	2.47	10	A
Beta-BHC	ND		ug/kg	20.9	7.92	10	A
Heptachlor	ND		ug/kg	10.4	4.68	10	A
Aldrin	ND		ug/kg	20.9	7.36	10	A
Heptachlor epoxide	ND		ug/kg	39.2	11.8	10	A
Endrin	ND		ug/kg	8.71	3.57	10	A
Endrin ketone	ND		ug/kg	20.9	5.38	10	A
Dieldrin	ND		ug/kg	13.1	6.53	10	A
4,4'-DDE	ND		ug/kg	20.9	4.83	10	A
4,4'-DDD	ND		ug/kg	20.9	7.45	10	A
4,4'-DDT	ND		ug/kg	39.2	16.8	10	A
Endosulfan I	ND		ug/kg	20.9	4.94	10	A
Endosulfan II	ND		ug/kg	20.9	6.98	10	A
Endosulfan sulfate	ND		ug/kg	8.71	3.98	10	A
Methoxychlor	ND		ug/kg	39.2	12.2	10	A
Toxaphene	ND		ug/kg	392	110.	10	A
cis-Chlordane	ND		ug/kg	26.1	7.28	10	A
trans-Chlordane	ND		ug/kg	26.1	6.90	10	A
Chlordane	ND		ug/kg	170	69.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	145		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**411**	Q	30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/19/13 14:36
Analytical Date:	09/20/13 12:04	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.770	0.344	1	A
Alpha-BHC	ND		ug/kg	0.770	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.701	1	A
Heptachlor	ND		ug/kg	0.924	0.414	1	A
Aldrin	ND		ug/kg	1.85	0.651	1	A
Heptachlor epoxide	ND		ug/kg	3.47	1.04	1	A
Endrin	ND		ug/kg	0.770	0.316	1	A
Endrin ketone	ND		ug/kg	1.85	0.476	1	A
Dieldrin	ND		ug/kg	1.16	0.578	1	A
4,4'-DDE	ND		ug/kg	1.85	0.428	1	A
4,4'-DDD	ND		ug/kg	1.85	0.660	1	A
4,4'-DDT	3.88		ug/kg	3.47	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.437	1	A
Endosulfan II	ND		ug/kg	1.85	0.618	1	A
Endosulfan sulfate	ND		ug/kg	0.770	0.352	1	A
Methoxychlor	ND		ug/kg	3.47	1.08	1	A
Toxaphene	ND		ug/kg	34.7	9.71	1	A
cis-Chlordane	ND		ug/kg	2.31	0.644	1	A
trans-Chlordane	ND		ug/kg	2.31	0.610	1	A
Chlordane	ND		ug/kg	15.0	6.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 20:03	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	198	24.0	1	A
2,4,5-T	ND		ug/kg	198	12.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	198	10.9	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	75		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02-03,05 Batch: WG636326-1						
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	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 12:17
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/19/13 14:36
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-03,05 Batch: WG637490-1						
Delta-BHC	ND		ug/kg	1.57	0.308	A
Lindane	ND		ug/kg	0.654	0.292	A
Alpha-BHC	ND		ug/kg	0.654	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.596	A
Heptachlor	ND		ug/kg	0.785	0.352	A
Aldrin	ND		ug/kg	1.57	0.553	A
Heptachlor epoxide	ND		ug/kg	2.94	0.884	A
Endrin	ND		ug/kg	0.654	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.404	A
Dieldrin	ND		ug/kg	0.982	0.491	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.560	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.371	A
Endosulfan II	ND		ug/kg	1.57	0.525	A
Endosulfan sulfate	ND		ug/kg	0.654	0.299	A
Methoxychlor	ND		ug/kg	2.94	0.916	A
Toxaphene	ND		ug/kg	29.4	8.25	A
cis-Chlordane	ND		ug/kg	1.96	0.547	A
trans-Chlordane	ND		ug/kg	1.96	0.518	A
Chlordane	ND		ug/kg	12.8	5.20	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	87		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637490-2 WG637490-3									
Delta-BHC	95		98		30-150	3		30	A
Lindane	83		88		30-150	6		30	A
Alpha-BHC	83		84		30-150	1		30	A
Beta-BHC	80		86		30-150	7		30	A
Heptachlor	89		95		30-150	7		30	A
Aldrin	88		94		30-150	7		30	A
Heptachlor epoxide	82		93		30-150	13		30	A
Endrin	99		100		30-150	1		30	A
Endrin ketone	95		93		30-150	2		30	A
Dieldrin	92		96		30-150	4		30	A
4,4'-DDE	86		89		30-150	3		30	A
4,4'-DDD	94		94		30-150	0		30	A
4,4'-DDT	93		87		30-150	7		30	A
Endosulfan I	92		97		30-150	5		30	A
Endosulfan II	100		77		30-150	26		30	A
Endosulfan sulfate	104		102		30-150	2		30	A
Methoxychlor	82		84		30-150	2		30	A
cis-Chlordane	85		84		30-150	1		30	A
trans-Chlordane	88		90		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318166

Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637490-2 WG637490-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		84		30-150	A
Decachlorobiphenyl	93		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		65		30-150	B
Decachlorobiphenyl	102		104		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Barium, TCLP	0.60		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Lead, TCLP	0.18	J	mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:55	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 16:36	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318166
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-02
Client ID: CSO_COMP-02_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 09/14/13 10:00
Date Received: 09/14/13
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	8.9	1.8	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.71	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.89	0.27	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Beryllium, Total	0.87		mg/kg	0.44	0.09	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Cadmium, Total	0.87	J	mg/kg	0.89	0.06	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Calcium, Total	28000		mg/kg	8.9	2.7	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Chromium, Total	25		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Cobalt, Total	12		mg/kg	1.8	0.44	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Copper, Total	230		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Iron, Total	22000		mg/kg	4.4	1.8	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Lead, Total	360		mg/kg	4.4	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Magnesium, Total	6700		mg/kg	8.9	0.89	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Manganese, Total	320		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Mercury, Total	0.45		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:26	EPA 7471B	1,7471B	MC
Nickel, Total	24		mg/kg	2.2	0.36	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Potassium, Total	1100		mg/kg	220	36.	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Selenium, Total	0.91	J	mg/kg	1.8	0.27	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.89	0.18	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Sodium, Total	320		mg/kg	180	27.	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Vanadium, Total	25		mg/kg	0.89	0.09	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT
Zinc, Total	700		mg/kg	4.4	0.62	2	09/19/13 11:28	09/19/13 20:04	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Barium, TCLP	0.64		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Lead, TCLP	3.6		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:57	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 18:05	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318166
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-03
Client ID: CSO_COMP-03_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 74%

Date Collected: 09/14/13 11:00
Date Received: 09/14/13
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	7000		mg/kg	10	2.0	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Antimony, Total	1.9	J	mg/kg	5.1	0.82	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Arsenic, Total	20		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Barium, Total	150		mg/kg	1.0	0.31	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Beryllium, Total	0.54		mg/kg	0.51	0.10	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Cadmium, Total	0.93	J	mg/kg	1.0	0.07	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Calcium, Total	26000		mg/kg	10	3.1	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Cobalt, Total	7.4		mg/kg	2.0	0.51	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Copper, Total	87		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Iron, Total	23000		mg/kg	5.1	2.0	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Lead, Total	920		mg/kg	5.1	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Magnesium, Total	3400		mg/kg	10	1.0	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Manganese, Total	490		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Mercury, Total	0.41		mg/kg	0.11	0.02	1	09/21/13 12:30	09/23/13 10:28	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.6	0.41	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Potassium, Total	1200		mg/kg	260	41.	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Selenium, Total	0.48	J	mg/kg	2.0	0.31	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	1.0	0.20	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Sodium, Total	440		mg/kg	200	31.	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.41	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Vanadium, Total	20		mg/kg	1.0	0.10	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT
Zinc, Total	370		mg/kg	5.1	0.72	2	09/19/13 11:28	09/19/13 20:08	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Barium, TCLP	0.50		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Lead, TCLP	1.7		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:58	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 18:09	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318166
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-05
Client ID: CSO_COMP-04_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 09/14/13 11:55
Date Received: 09/14/13
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	9000		mg/kg	9.3	1.8	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.6	0.74	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Arsenic, Total	9.6		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.93	0.28	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Beryllium, Total	1.2		mg/kg	0.46	0.09	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Cadmium, Total	0.93		mg/kg	0.93	0.07	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Calcium, Total	31000		mg/kg	9.3	2.8	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Chromium, Total	18		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Cobalt, Total	11		mg/kg	1.8	0.46	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Copper, Total	68		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.6	1.8	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Lead, Total	420		mg/kg	4.6	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Magnesium, Total	6800		mg/kg	9.3	0.93	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Manganese, Total	270		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Mercury, Total	0.23		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:29	EPA 7471B	1,7471B	MC
Nickel, Total	23		mg/kg	2.3	0.37	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Potassium, Total	800		mg/kg	230	37.	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Selenium, Total	0.68	J	mg/kg	1.8	0.28	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.93	0.18	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Sodium, Total	240		mg/kg	180	28.	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.37	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Vanadium, Total	20		mg/kg	0.93	0.09	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT
Zinc, Total	290		mg/kg	4.6	0.65	2	09/19/13 11:28	09/19/13 20:12	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02-03,05 Batch: WG637383-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Lead, TCLP	ND		mg/l	0.50	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 10:40	09/19/13 11:22	1,6010C	TT

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 02-03,05 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2		mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Thallium, Total	ND	mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND	mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND	mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	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): 02-03,05 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 02-03,05 Batch: WG638031-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/18/13 16:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637383-2								
Arsenic, TCLP	108		-		75-125	-		20
Barium, TCLP	105		-		75-125	-		20
Cadmium, TCLP	106		-		75-125	-		20
Chromium, TCLP	105		-		75-125	-		20
Lead, TCLP	104		-		75-125	-		20
Selenium, TCLP	117		-		75-125	-		20
Silver, TCLP	108		-		75-125	-		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	104	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	94	-	82-117	-	
Calcium, Total	90	-	83-117	-	
Chromium, Total	92	-	80-119	-	
Cobalt, Total	99	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	94	-	51-150	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	78	-	74-126	-	
Manganese, Total	97	-	83-117	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	99	-	74-126	-	
Selenium, Total	109	-	80-120	-	
Silver, Total	105	-	66-134	-	
Sodium, Total	106	-	74-127	-	
Thallium, Total	96	-	79-120	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
Total Metals - Westborough Lab Associated sample(s): 02-03,05 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 Batch: WG638031-2					
Mercury, TCLP	111	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637383-4 QC Sample: L1318339-01 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.3	108		-	-		75-125	-		20
Barium, TCLP	0.34J	20	21	105		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.54	106		-	-		75-125	-		20
Chromium, TCLP	0.10J	2	2.2	110		-	-		75-125	-		20
Lead, TCLP	0.14J	5.1	5.4	106		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.4	117		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.54	108		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

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): 02-03,05 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Aluminum, Total	1500	194	2700	**618**	Q	-	-	75-125	-	35
Antimony, Total	4.4J	48.5	52	107		-	-	75-125	-	35
Arsenic, Total	12.	11.6	23	86		-	-	75-125	-	35
Barium, Total	360	194	670	**154**	Q	-	-	75-125	-	35
Beryllium, Total	0.22J	4.85	5.1	105		-	-	75-125	-	35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-	75-125	-	35
Calcium, Total	620	971	4700	**419**	Q	-	-	75-125	-	35
Chromium, Total	14.	19.4	27	**62**	Q	-	-	75-125	-	35
Cobalt, Total	3.4	48.5	49	94		-	-	75-125	-	35
Copper, Total	130	24.3	120	**0**	Q	-	-	75-125	-	35
Iron, Total	5800	97.1	5200	**0**	Q	-	-	75-125	-	35
Lead, Total	420	49.5	280	**0**	Q	-	-	75-125	-	35
Magnesium, Total	290	971	1200	93		-	-	75-125	-	35
Manganese, Total	56.	48.5	110	107		-	-	75-125	-	35
Nickel, Total	15.	48.5	56	84		-	-	75-125	-	35
Potassium, Total	220J	971	1300	**134**	Q	-	-	75-125	-	35
Selenium, Total	6.1	11.6	16	84		-	-	75-125	-	35
Silver, Total	0.26J	29.1	28	96		-	-	75-125	-	35
Sodium, Total	120J	971	1200	124		-	-	75-125	-	35
Thallium, Total	ND	11.6	10	86		-	-	75-125	-	35
Vanadium, Total	8.1	48.5	54	94		-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

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): 02-03,05 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG638031-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0263	105		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637383-3 QC Sample: L1318339-01 Client ID: DUP Sample						
Lead, TCLP	0.14J	0.15J	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
Total Metals - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG638031-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-02	Date Collected:	09/14/13 10:00
Client ID:	CSO_COMP-02_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-03	Date Collected:	09/14/13 11:00
Client ID:	CSO_COMP-03_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318166-05	Date Collected:	09/14/13 11:55
Client ID:	CSO_COMP-04_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-01
Client ID: CSO_SB-02B_5-5.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 09:40
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.4		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-02
Client ID: CSO_COMP-02_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 10:00
Date Received: 09/14/13
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	25		mg/kg	0.91	0.91	1	-	09/23/13 11:29	107,-	JO
Solids, Total	88.2		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/17/13 11:20	09/18/13 14:51	1,9010C/9012A	JO
pH (H)	10		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.91	0.20	1	09/16/13 22:00	09/18/13 00:30	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:07	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-03
Client ID: CSO_COMP-03_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 11:00
Date Received: 09/14/13
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	1.1	1.1	1	-	09/23/13 11:29	107,-	JO
Solids, Total	74.0		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.3	0.31	1	09/18/13 10:00	09/18/13 15:20	1,9010C/9012A	JO
pH (H)	8.4		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	1.1	0.24	1	09/16/13 22:00	09/18/13 00:31	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:07	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-04
Client ID: CSO_SB-03A_8.5-9
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 10:50
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-05
Client ID: CSO_COMP-04_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 11:55
Date Received: 09/14/13
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	0.95	0.95	1	-	09/23/13 11:29	107,-	JO
Solids, Total	83.9		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.27	1	09/18/13 10:00	09/18/13 15:21	1,9010C/9012A	JO
pH (H)	7.9		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.95	0.21	1	09/16/13 22:00	09/18/13 00:31	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:08	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318166-07
Client ID: CSO_SB-04B_6.5-7.0
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 11:45
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING **Lab Number:** L1318166

Project Number: 170229002 **Report Date:** 09/24/13

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): 02-03,05 Batch: WG636553-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 22:00	09/18/13 00:21	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 02 Batch: WG636702-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	09/17/13 11:20	09/18/13 14:38	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 02-03,05 Batch: WG636888-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:06	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 02-03,05 Batch: WG636890-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/17/13 23:59	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03,05 Batch: WG637047-1										
Cyanide, Total	ND		mg/kg	0.91	0.21	1	09/18/13 10:00	09/18/13 14:57	1,9010C/9012A	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636188-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636553-2								
Chromium, Hexavalent	103		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02 Batch: WG636702-2 WG636702-3								
Cyanide, Total	104		105		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636888-2								
Cyanide, Reactive	43		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 Batch: WG636890-2								
Sulfide, Reactive	89		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03,05 Batch: WG637047-2 WG637047-3								
Cyanide, Total	103		104		80-120	1		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318166
Report Date: 09/24/13

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): 02-03,05 QC Batch ID: WG636553-5 QC Sample: L1318159-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1310	1200	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG636702-4 WG636702-5 QC Sample: L1318164-03 Client ID: MS Sample												
Cyanide, Total	ND	11	11	97		11	99		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 03,05 QC Batch ID: WG637047-4 WG637047-5 QC Sample: L1318168-04 Client ID: MS Sample												
Cyanide, Total	ND	10	10	98		9.9	95		65-135	1		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636188-2 QC Sample: L1318166-02 Client ID: CSO_COMP-02_0-10						
pH (H)	10.	10.0	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636553-4 QC Sample: L1318159-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636888-3 QC Sample: L1318234-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 02-03,05 QC Batch ID: WG636890-3 QC Sample: L1318234-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-05,07 QC Batch ID: WG636931-1 QC Sample: L1318141-01 Client ID: DUP Sample						
Solids, Total	89.9	91.1	%	1		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318166
Report Date: 09/24/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 19:09

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318166-01A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-01B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-01C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-01D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1318166-01X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-01Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-01Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-02A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	TPH-GRO(14)
L1318166-02B	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(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: L1318166
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318166-02C	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318166-02X	Plastic 250ml HNO3 preserved spl	A	<2	3.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318166-03A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	TPH-GRO(14)
L1318166-03B	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(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: L1318166
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318166-03C	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318166-03X	Plastic 250ml HNO3 preserved spl	A	<2	3.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318166-04A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-04B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-04C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-04D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1318166-04X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-04Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-04Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-05A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	TPH-GRO(14)
L1318166-05B	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(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: L1318166
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318166-05C	Amber 500ml unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318166-05X	Plastic 250ml HNO3 preserved spl	A	<2	3.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318166-06A	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1318166-06B	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1318166-07A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-07B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-07C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1318166-07D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1318166-07X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-07Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1318166-07Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)

Container Comments

L1318166-02C

L1318166-03B

L1318166-03C

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

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

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.
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.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318166
Project Number:	170229002	**Report Date:**	09/24/13

Data Qualifiers

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:** L1318166
Project Number: 170229002 **Report Date:** 09/24/13

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.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

revised 9/24/13 CW

Serial No:09241315 17

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318166

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: 360 W 31st St. 8th Floor New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

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 #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 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	6NYCRR, 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 Parameters 2) Provide Category A data deliverables 3) Provide NYSDEC EDD

ANALYSIS

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	VOC	Ta/Metals, Total CN, Hexchrom, TCLP RCRA 8 Metals, Cyanide	TS	SVOC, PCB, 8-Hr. Hers, TPH GRO	PART 375	VOC	TPH GRO				Sample Specific Comments	TOTAL # BOTTLES
	~~02-SB-4C (0-0.5)~~	~~9/14/13~~	~~9:14~~	~~Soil~~													
18166.1	CSO-SB-02B-(5-5.5)	9/14/13	9:40	Soil		X		X								CSO_SB-02B_5-5.5	4
2	CSO-COMP-02-0-10		10:00				X		X		X						3
3	CSO-COMP-03-0-10		11:00				X		X		X						3
4	CSO-SB-03A-(8.5-9)		10:50			X		X								CSO_SB-03A_8.5-9	4
5	CSO-COMP-04-0-10		11:55				X		X		X						3
	~~Trip Blank~~																
6	TRIP BLANK_091413		13:20	AQ							X					TB01_091413	2
7	CSO-SB-04B-(5.5-6)		11:45	Soil		X		X								CSO_SB-04B_6.5-7.5	4

Container Type											
Preservative											

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	1330 9/14/13	Abdul Matubar	9/14/13 13
Abdul Matubar	9/14/13 1735	[illegible]	9/14/13 1735

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)

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318166

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: 360 W 31st St. 8th Floor New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
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 #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/23/13 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	6NYCRR, 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 Parameters 2) Provide Category A data deliverables 3) Provide NYSDEC EDD

ANALYSIS: VOC; TAL Metals, Total CN, Hexavalent Chromium, TCLP RCRA 8 Metals, Cyanide; TS; SVOC, PCB, 8-Ox, TPH GRO; Part 375 Metals; VOC; TPH GRO

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	VOC	TAL Metals, Total CN, Hexavalent Chromium, TCLP RCRA 8 Metals, Cyanide	TS	SVOC, PCB, 8-Ox, TPH GRO	Part 375 Metals	VOC	TPH GRO	Sample Specific Comments	TOTAL # BOTTLES
	~~CS2-SB-4C (0-0.5)~~	~~9/14/13~~	~~9:14~~	~~Soil~~										
1866.1	CSO-SB-02B-(5-5.5)	9/14/13	9:40	Soil		X		X						4
2	CSO-COMP-02-0-10		10:00				X		X		X			3
3	CSO-COMP-03-0-10		11:00				X		X		X			3
4	CSO-SB-03A-(8.5-9)		10:50			X		X						4
5	CSO-COMP-04-0-10		11:55				X		X		X			3
	~~NB [illegible] Blank~~													
6	TRIP BLANK-091413		13:20	AQ						X				2
7	CSO-SB-04B-(5.5-6)		11:45	Soil		X		X						4

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
Natasha Bell	1330 9/14/13	Abdul Matubar	9/14/13 13
Abdul Matubar	9/14/13 1735	[illegible]	9/14/13 1735

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:	L1318167
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:	09/24/13

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: L1318167
Report Date: 09/24/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318167-01	CSO_COMP-05_0-10	BROOKLYN, NY	09/14/13 13:05
L1318167-02	CSO_SB-05A_7.5-8.0	BROOKLYN, NY	09/14/13 13:00
L1318167-03	CSO_SB-06A_3.5-4	BROOKLYN, NY	09/14/13 13:15
L1318167-04	CSO_COMP-06_0-10	BROOKLYN, NY	09/14/13 13:15
L1318167-05	TB02_091413	BROOKLYN, NY	09/14/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318167
Project Number: 170229002 **Report Date:** 09/24/13

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 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.

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

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

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.

Organochlorine Pesticides

L1318167-01 and -04 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318167-01 and -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318167-01 and -04, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

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: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/24/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-02	Date Collected:	09/14/13 13:00
Client ID:	CSO_SB-05A_7.5-8.0	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/24/13 10:17		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.2	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.92	0.19	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.92	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.92	0.13	1
Chlorobenzene	ND		ug/kg	0.92	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.92	0.10	1
Bromodichloromethane	ND		ug/kg	0.92	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.92	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.92	0.16	1
Benzene	ND		ug/kg	0.92	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.92	0.14	1
Chloromethane	ND		ug/kg	4.6	0.72	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.92	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-02 Date Collected: 09/14/13 13:00

Client ID: CSO_SB-05A_7.5-8.0 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.14	1
Dibromomethane	ND		ug/kg	9.2	0.15	1
Styrene	ND		ug/kg	1.8	0.28	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.20	1
Acetone	6.5	J	ug/kg	9.2	2.9	1
Carbon disulfide	ND		ug/kg	9.2	1.8	1
2-Butanone	ND		ug/kg	9.2	0.33	1
Vinyl acetate	ND		ug/kg	9.2	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	0.22	1
1,2,3-Trichloropropane	ND		ug/kg	9.2	0.21	1
2-Hexanone	ND		ug/kg	9.2	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.92	0.29	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.92	0.18	1
sec-Butylbenzene	ND		ug/kg	0.92	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.92	0.15	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.2	0.22	1
n-Propylbenzene	ND		ug/kg	0.92	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Methyl Acetate	ND		ug/kg	18	0.70	1
Cyclohexane	ND		ug/kg	18	0.99	1
1,4-Dioxane	ND		ug/kg	92	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-02	Date Collected:	09/14/13 13:00
Client ID:	CSO_SB-05A_7.5-8.0	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.25	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	ND		ug/kg	4.6	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.41	1
Methyl cyclohexane	ND		ug/kg	3.7	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-03	Date Collected:	09/14/13 13:15
Client ID:	CSO_SB-06A_3.5-4	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 13:01		
Analyst:	BN		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	640	130	1
1,1-Dichloroethane	ND		ug/kg	96	11.	1
Chloroform	ND		ug/kg	96	24.	1
Carbon tetrachloride	ND		ug/kg	64	13.	1
1,2-Dichloropropane	ND		ug/kg	220	15.	1
Dibromochloromethane	ND		ug/kg	64	20.	1
1,1,2-Trichloroethane	ND		ug/kg	96	19.	1
Tetrachloroethene	29	J	ug/kg	64	9.0	1
Chlorobenzene	ND		ug/kg	64	22.	1
Trichlorofluoromethane	ND		ug/kg	320	7.8	1
1,2-Dichloroethane	ND		ug/kg	64	9.3	1
1,1,1-Trichloroethane	ND		ug/kg	64	7.1	1
Bromodichloromethane	ND		ug/kg	64	15.	1
trans-1,3-Dichloropropene	ND		ug/kg	64	7.7	1
cis-1,3-Dichloropropene	ND		ug/kg	64	8.1	1
1,1-Dichloropropene	ND		ug/kg	320	29.	1
Bromoform	ND		ug/kg	260	26.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	64	11.	1
Benzene	ND		ug/kg	64	7.5	1
Toluene	27	J	ug/kg	96	7.2	1
Ethylbenzene	ND		ug/kg	64	9.4	1
Chloromethane	ND		ug/kg	320	50.	1
Bromomethane	ND		ug/kg	130	22.	1
Vinyl chloride	ND		ug/kg	130	9.0	1
Chloroethane	ND		ug/kg	130	20.	1
1,1-Dichloroethene	ND		ug/kg	64	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	96	14.	1
Trichloroethene	1500		ug/kg	64	9.7	1
1,2-Dichlorobenzene	ND		ug/kg	320	12.	1
1,3-Dichlorobenzene	ND		ug/kg	320	12.	1
1,4-Dichlorobenzene	ND		ug/kg	320	15.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-03 Date Collected: 09/14/13 13:15

Client ID: CSO_SB-06A_3.5-4 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	130	6.7	1
p/m-Xylene	24	J	ug/kg	130	21.	1
o-Xylene	ND		ug/kg	130	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	64	9.6	1
Dibromomethane	ND		ug/kg	640	10.	1
Styrene	ND		ug/kg	130	20.	1
Dichlorodifluoromethane	ND		ug/kg	640	14.	1
Acetone	ND		ug/kg	640	200	1
Carbon disulfide	ND		ug/kg	640	130	1
2-Butanone	ND		ug/kg	640	23.	1
Vinyl acetate	ND		ug/kg	640	31.	1
4-Methyl-2-pentanone	ND		ug/kg	640	16.	1
1,2,3-Trichloropropane	ND		ug/kg	640	14.	1
2-Hexanone	ND		ug/kg	640	12.	1
Bromochloromethane	ND		ug/kg	320	12.	1
2,2-Dichloropropane	ND		ug/kg	320	14.	1
1,2-Dibromoethane	ND		ug/kg	260	11.	1
1,3-Dichloropropane	ND		ug/kg	320	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	64	20.	1
Bromobenzene	ND		ug/kg	320	13.	1
n-Butylbenzene	ND		ug/kg	64	13.	1
sec-Butylbenzene	ND		ug/kg	64	13.	1
tert-Butylbenzene	ND		ug/kg	320	36.	1
o-Chlorotoluene	ND		ug/kg	320	10.	1
p-Chlorotoluene	ND		ug/kg	320	9.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	320	50.	1
Hexachlorobutadiene	ND		ug/kg	320	27.	1
Isopropylbenzene	ND		ug/kg	64	11.	1
p-Isopropyltoluene	ND		ug/kg	64	12.	1
Naphthalene	680		ug/kg	320	49.	1
Acrylonitrile	ND		ug/kg	640	15.	1
n-Propylbenzene	ND		ug/kg	64	8.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	320	11.	1
1,2,4-Trichlorobenzene	ND		ug/kg	320	50.	1
1,3,5-Trimethylbenzene	ND		ug/kg	320	9.2	1
1,2,4-Trimethylbenzene	ND		ug/kg	320	37.	1
Methyl Acetate	ND		ug/kg	1300	49.	1
Cyclohexane	ND		ug/kg	1300	69.	1
1,4-Dioxane	ND		ug/kg	6400	1100	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-03	Date Collected:	09/14/13 13:15
Client ID:	CSO_SB-06A_3.5-4	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1300	17.	1
p-Diethylbenzene	ND		ug/kg	260	10.	1
p-Ethyltoluene	ND		ug/kg	260	7.5	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	260	8.3	1
Ethyl ether	ND		ug/kg	320	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	320	29.	1
Methyl cyclohexane	ND		ug/kg	260	81.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-05	Date Collected:	09/14/13 00:00
Client ID:	TB02_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 18:57		
Analyst:	PD		

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	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-05 Date Collected: 09/14/13 00:00

Client ID: TB02_091413 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	3.8	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	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	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-05	Date Collected:	09/14/13 00:00
Client ID:	TB02_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	118		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
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	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
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	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
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
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

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
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	0.24
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	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG638377-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
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	15.
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	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG638377-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG638377-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
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	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638612-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638612-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 08:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG638612-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG638377-1 WG638377-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								
Methylene chloride	86		91		70-130	6		30
1,1-Dichloroethane	91		97		70-130	6		30
Chloroform	92		97		70-130	5		30
Carbon tetrachloride	98		101		70-130	3		30
1,2-Dichloropropane	92		96		70-130	4		30
Dibromochloromethane	101		105		70-130	4		30
1,1,2-Trichloroethane	100		104		70-130	4		30
Tetrachloroethene	104		107		70-130	3		30
Chlorobenzene	101		104		70-130	3		30
Trichlorofluoromethane	105		111		70-139	6		30
1,2-Dichloroethane	92		94		70-130	2		30
1,1,1-Trichloroethane	94		98		70-130	4		30
Bromodichloromethane	92		95		70-130	3		30
trans-1,3-Dichloropropene	100		103		70-130	3		30
cis-1,3-Dichloropropene	92		95		70-130	3		30
1,1-Dichloropropene	94		98		70-130	4		30
Bromoform	103		105		70-130	2		30
1,1,2,2-Tetrachloroethane	99		102		70-130	3		30
Benzene	94		98		70-130	4		30
Toluene	101		104		70-130	3		30
Ethylbenzene	100		103		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								
Chloromethane	88		101		52-130	14		30
Bromomethane	106		113		57-147	6		30
Vinyl chloride	100		107		67-130	7		30
Chloroethane	109		109		50-151	0		30
1,1-Dichloroethene	97		102		65-135	5		30
trans-1,2-Dichloroethene	94		100		70-130	6		30
Trichloroethene	94		98		70-130	4		30
1,2-Dichlorobenzene	102		106		70-130	4		30
1,3-Dichlorobenzene	103		107		70-130	4		30
1,4-Dichlorobenzene	102		106		70-130	4		30
Methyl tert butyl ether	90		94		66-130	4		30
p/m-Xylene	102		105		70-130	3		30
o-Xylene	102		105		70-130	3		30
cis-1,2-Dichloroethene	93		97		70-130	4		30
Dibromomethane	94		97		70-130	3		30
Styrene	103		107		70-130	4		30
Dichlorodifluoromethane	92		99		30-146	7		30
Acetone	90		80		54-140	12		30
Carbon disulfide	90		94		59-130	4		30
2-Butanone	112		102		70-130	9		30
Vinyl acetate	84		88		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								
4-Methyl-2-pentanone	88		89		70-130	1		30
1,2,3-Trichloropropane	101		102		68-130	1		30
2-Hexanone	106		96		70-130	10		30
Bromochloromethane	96		100		70-130	4		30
2,2-Dichloropropane	96		99		70-130	3		30
1,2-Dibromoethane	101		104		70-130	3		30
1,3-Dichloropropane	99		102		69-130	3		30
1,1,1,2-Tetrachloroethane	102		106		70-130	4		30
Bromobenzene	100		104		70-130	4		30
n-Butylbenzene	102		105		70-130	3		30
sec-Butylbenzene	102		106		70-130	4		30
tert-Butylbenzene	102		105		70-130	3		30
o-Chlorotoluene	102		106		70-130	4		30
p-Chlorotoluene	100		104		70-130	4		30
1,2-Dibromo-3-chloropropane	97		100		68-130	3		30
Hexachlorobutadiene	101		104		67-130	3		30
Isopropylbenzene	100		103		70-130	3		30
p-Isopropyltoluene	103		106		70-130	3		30
Naphthalene	94		100		70-130	6		30
Acrylonitrile	89		92		70-130	3		30
Isopropyl Ether	88		93		66-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								
tert-Butyl Alcohol	92		93		70-130	1		30
n-Propylbenzene	99		103		70-130	4		30
1,2,3-Trichlorobenzene	98		103		70-130	5		30
1,2,4-Trichlorobenzene	100		104		70-130	4		30
1,3,5-Trimethylbenzene	102		105		70-130	3		30
1,2,4-Trimethylbenzene	102		106		70-130	4		30
Methyl Acetate	90		92		51-146	2		30
Ethyl Acetate	89		90		70-130	1		30
Acrolein	91		93		70-130	2		30
Cyclohexane	92		95		59-142	3		30
1,4-Dioxane	84		88		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	97		102		50-139	5		30
1,4-Diethylbenzene	103		107		70-130	4		30
4-Ethyltoluene	101		105		70-130	4		30
1,2,4,5-Tetramethylbenzene	101		105		70-130	4		30
Tetrahydrofuran	88		87		66-130	1		30
Ethyl ether	86		91		67-130	6		30
trans-1,4-Dichloro-2-butene	98		99		70-130	1		30
Methyl cyclohexane	95		97		70-130	2		30
Ethyl-Tert-Butyl-Ether	90		95		70-130	5		30
Tertiary-Amyl Methyl Ether	94		97		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG638612-1 WG638612-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 22:59		
Analyst:	PS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	820		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	61.	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	6800		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	1000		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	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	36.	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
Benzo(a)anthracene	3200		ug/kg	110	37.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-01 Date Collected: 09/14/13 13:05

Client ID: CSO_COMP-05_0-10 Date Received: 09/14/13

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)pyrene	3300		ug/kg	150	46.	1
Benzo(b)fluoranthene	3900		ug/kg	110	38.	1
Benzo(k)fluoranthene	1500		ug/kg	110	36.	1
Chrysene	3100		ug/kg	110	37.	1
Acenaphthylene	640		ug/kg	150	35.	1
Anthracene	2000		ug/kg	110	31.	1
Benzo(ghi)perylene	2200		ug/kg	150	39.	1
Fluorene	890		ug/kg	190	54.	1
Phenanthrene	6100		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	610		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	2300		ug/kg	150	42.	1
Pyrene	5700		ug/kg	110	36.	1
Biphenyl	170	J	ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	780		ug/kg	190	62.	1
2-Methylnaphthalene	490		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	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	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	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	62	J	ug/kg	270	61.	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	770		ug/kg	190	40.	1
Benzaldehyde	ND		ug/kg	250	76.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	76		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	91		0-136
4-Terphenyl-d14	89		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 23:27		
Analyst:	PS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	58	J	ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	64.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	1200		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	170	52.	1
Naphthalene	160	J	ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	54	J	ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	740		ug/kg	120	38.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-04 Date Collected: 09/14/13 13:15

Client ID: CSO_COMP-06_0-10 Date Received: 09/14/13

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)pyrene	980		ug/kg	160	47.	1
Benzo(b)fluoranthene	1400		ug/kg	120	39.	1
Benzo(k)fluoranthene	470		ug/kg	120	37.	1
Chrysene	930		ug/kg	120	38.	1
Acenaphthylene	110	J	ug/kg	160	36.	1
Anthracene	220		ug/kg	120	32.	1
Benzo(ghi)perylene	830		ug/kg	160	40.	1
Fluorene	94	J	ug/kg	190	56.	1
Phenanthrene	890		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	230		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	820		ug/kg	160	43.	1
Pyrene	1200		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	54.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	65.	1
2-Methylnaphthalene	110	J	ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	82	J	ug/kg	190	42.	1
Benzaldehyde	ND		ug/kg	260	78.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	96		0-136
4-Terphenyl-d14	84		18-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG636555-1					
Acenaphthene	ND		ug/kg	130	33.
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.
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.
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.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG636555-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
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.
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	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.
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	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG636555-1					
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	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	81		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

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: WG636555-2 WG636555-3								
Acenaphthene	87		92		31-137	6		50
1,2,4-Trichlorobenzene	72		76		38-107	5		50
Hexachlorobenzene	98		98		40-140	0		50
Bis(2-chloroethyl)ether	70		75		40-140	7		50
2-Chloronaphthalene	79		86		40-140	8		50
1,2-Dichlorobenzene	71		77		40-140	8		50
1,3-Dichlorobenzene	69		76		40-140	10		50
1,4-Dichlorobenzene	69		76		28-104	10		50
3,3'-Dichlorobenzidine	63		58		40-140	8		50
2,4-Dinitrotoluene	**109**	Q	**110**	Q	28-89	1		50
2,6-Dinitrotoluene	102		106		40-140	4		50
Fluoranthene	110		110		40-140	0		50
4-Chlorophenyl phenyl ether	92		96		40-140	4		50
4-Bromophenyl phenyl ether	99		103		40-140	4		50
Bis(2-chloroisopropyl)ether	73		78		40-140	7		50
Bis(2-chloroethoxy)methane	74		79		40-117	7		50
Hexachlorobutadiene	71		77		40-140	8		50
Hexachlorocyclopentadiene	79		82		40-140	4		50
Hexachloroethane	71		78		40-140	9		50
Isophorone	80		85		40-140	6		50
Naphthalene	74		79		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

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: WG636555-2 WG636555-3								
Nitrobenzene	78		85		40-140	9		50
NitrosoDiPhenylAmine(NDPA)/DPA	106		108			2		50
n-Nitrosodi-n-propylamine	83		89		32-121	7		50
Bis(2-Ethylhexyl)phthalate	103		105		40-140	2		50
Butyl benzyl phthalate	126		120		40-140	5		50
Di-n-butylphthalate	119		118		40-140	1		50
Di-n-octylphthalate	111		112		40-140	1		50
Diethyl phthalate	109		109		40-140	0		50
Dimethyl phthalate	99		102		40-140	3		50
Benzo(a)anthracene	106		107		40-140	1		50
Benzo(a)pyrene	104		108		40-140	4		50
Benzo(b)fluoranthene	103		101		40-140	2		50
Benzo(k)fluoranthene	96		103		40-140	7		50
Chrysene	98		101		40-140	3		50
Acenaphthylene	89		96		40-140	8		50
Anthracene	110		111		40-140	1		50
Benzo(ghi)perylene	98		103		40-140	5		50
Fluorene	96		100		40-140	4		50
Phenanthrene	100		104		40-140	4		50
Dibenzo(a,h)anthracene	101		104		40-140	3		50
Indeno(1,2,3-cd)Pyrene	106		108		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

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: WG636555-2 WG636555-3								
Pyrene	108		106		35-142	2		50
Biphenyl	77		83			8		50
4-Chloroaniline	60		55		40-140	9		50
2-Nitroaniline	102		108		47-134	6		50
3-Nitroaniline	71		64		26-129	10		50
4-Nitroaniline	108		106		41-125	2		50
Dibenzofuran	91		95		40-140	4		50
2-Methylnaphthalene	74		80		40-140	8		50
1,2,4,5-Tetrachlorobenzene	77		81		40-117	5		50
Acetophenone	77		84		14-144	9		50
2,4,6-Trichlorophenol	96		103		30-130	7		50
P-Chloro-M-Cresol	103		**110**	Q	26-103	7		50
2-Chlorophenol	78		85		25-102	9		50
2,4-Dichlorophenol	84		92		30-130	9		50
2,4-Dimethylphenol	84		90		30-130	7		50
2-Nitrophenol	80		88		30-130	10		50
4-Nitrophenol	114		112		11-114	2		50
2,4-Dinitrophenol	102		96		4-130	6		50
4,6-Dinitro-o-cresol	121		116		10-130	4		50
Pentachlorophenol	103		100		17-109	3		50
Phenol	78		83		26-90	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

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: WG636555-2 WG636555-3								
2-Methylphenol	84		90		30-130.	7		50
3-Methylphenol/4-Methylphenol	83		91		30-130	9		50
2,4,5-Trichlorophenol	96		103		30-130	7		50
Benzoic Acid	25		25			0		50
Benzyl Alcohol	83		87		40-140	5		50
Carbazole	108		108		54-128	0		50
Benzaldehyde	70		74			6		50
Caprolactam	114		116			2		50
Atrazine	120		126			5		50
2,3,4,6-Tetrachlorophenol	102		103			1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		79		25-120
Phenol-d6	75		78		10-120
Nitrobenzene-d5	77		80		23-120
2-Fluorobiphenyl	72		77		30-120
2,4,6-Tribromophenol	105		104		0-136
4-Terphenyl-d14	88		85		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/19/13 04:07		
Analyst:	AR		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	251000		ug/kg	37500	3680	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 14:31		
Analyst:	GT		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	3000		ug/kg	2800	55.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		70-130
4-Bromofluorobenzene	89		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 15:12		
Analyst:	GT		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	760	J	ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	94		70-130
4-Bromofluorobenzene	91		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04 D	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 16:15		
Analyst:	AR		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	234000		ug/kg	75500	7400	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01,04 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/20/13 10:26
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01,04 Batch: WG637313-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81		70-130
4-Bromofluorobenzene	86		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318167

Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01,04 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01,04 Batch: WG637313-1 WG637313-2								
Gasoline Range Organics	94		104		80-120	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	92		101		70-130
4-Bromofluorobenzene	92		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637313-5 QC Sample: L1318253-02 Client ID: MS Sample												
Gasoline Range Organics	8600	23100	30000	91		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81				70-130
4-Bromofluorobenzene	83				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637313-4 QC Sample: L1318253-02 Client ID: DUP Sample						
Gasoline Range Organics	8600	13000	ug/kg	**39**	Q	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		80		70-130
4-Bromofluorobenzene	79		83		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:01	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.3	7.36	1	A
Aroclor 1221	ND		ug/kg	37.3	11.2	1	A
Aroclor 1232	ND		ug/kg	37.3	7.92	1	A
Aroclor 1242	ND		ug/kg	37.3	7.07	1	A
Aroclor 1248	ND		ug/kg	37.3	4.51	1	A
Aroclor 1254	ND		ug/kg	37.3	5.88	1	A
Aroclor 1260	ND		ug/kg	37.3	6.47	1	A
Aroclor 1262	ND		ug/kg	37.3	2.76	1	A
Aroclor 1268	ND		ug/kg	37.3	5.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:14	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	7.58	1	A
Aroclor 1221	ND		ug/kg	38.4	11.6	1	A
Aroclor 1232	ND		ug/kg	38.4	8.15	1	A
Aroclor 1242	ND		ug/kg	38.4	7.28	1	A
Aroclor 1248	ND		ug/kg	38.4	4.64	1	A
Aroclor 1254	ND		ug/kg	38.4	6.05	1	A
Aroclor 1260	ND		ug/kg	38.4	6.66	1	A
Aroclor 1262	ND		ug/kg	38.4	2.84	1	A
Aroclor 1268	ND		ug/kg	38.4	5.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318167

Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,04 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

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: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 20:23	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	195	23.7	1	A
2,4,5-T	ND		ug/kg	195	12.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	195	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	74		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01 D	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:00	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.6	3.45	10	A
Lindane	ND		ug/kg	7.35	3.28	10	A
Alpha-BHC	ND		ug/kg	7.35	2.09	10	A
Beta-BHC	ND		ug/kg	17.6	6.69	10	A
Heptachlor	ND		ug/kg	8.82	3.95	10	A
Aldrin	ND		ug/kg	17.6	6.21	10	A
Heptachlor epoxide	ND		ug/kg	33.1	9.92	10	A
Endrin	ND		ug/kg	7.35	3.01	10	A
Endrin ketone	ND		ug/kg	17.6	4.54	10	A
Dieldrin	ND		ug/kg	11.0	5.51	10	A
4,4'-DDE	ND		ug/kg	17.6	4.08	10	A
4,4'-DDD	ND		ug/kg	17.6	6.29	10	A
4,4'-DDT	ND		ug/kg	33.1	14.2	10	A
Endosulfan I	ND		ug/kg	17.6	4.17	10	A
Endosulfan II	ND		ug/kg	17.6	5.89	10	A
Endosulfan sulfate	ND		ug/kg	7.35	3.36	10	A
Methoxychlor	ND		ug/kg	33.1	10.3	10	A
Toxaphene	ND		ug/kg	331	92.6	10	A
cis-Chlordane	ND		ug/kg	22.0	6.14	10	A
trans-Chlordane	ND		ug/kg	22.0	5.82	10	A
Chlordane	ND		ug/kg	143	58.4	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**335**	Q	30-150	A
Decachlorobiphenyl	**265**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	**195**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 20:42	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	192	23.3	1	A
2,4,5-T	ND		ug/kg	192	12.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	10.6	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	65		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04 D	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:12	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.9	3.50	10	A
Lindane	ND		ug/kg	7.44	3.33	10	A
Alpha-BHC	ND		ug/kg	7.44	2.11	10	A
Beta-BHC	ND		ug/kg	17.9	6.77	10	A
Heptachlor	ND		ug/kg	8.93	4.00	10	A
Aldrin	ND		ug/kg	17.9	6.29	10	A
Heptachlor epoxide	ND		ug/kg	33.5	10.0	10	A
Endrin	ND		ug/kg	7.44	3.05	10	A
Endrin ketone	ND		ug/kg	17.9	4.60	10	A
Dieldrin	ND		ug/kg	11.2	5.58	10	A
4,4'-DDE	ND		ug/kg	17.9	4.13	10	A
4,4'-DDD	ND		ug/kg	17.9	6.37	10	A
4,4'-DDT	22.3	J	ug/kg	33.5	14.4	10	B
Endosulfan I	ND		ug/kg	17.9	4.22	10	A
Endosulfan II	ND		ug/kg	17.9	5.97	10	A
Endosulfan sulfate	ND		ug/kg	7.44	3.40	10	A
Methoxychlor	ND		ug/kg	33.5	10.4	10	A
Toxaphene	ND		ug/kg	335	93.8	10	A
cis-Chlordane	ND		ug/kg	22.3	6.22	10	A
trans-Chlordane	ND		ug/kg	22.3	5.90	10	A
Chlordane	ND		ug/kg	145	59.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	125		30-150	A
Decachlorobiphenyl	**161**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	**381**	Q	30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01,04 Batch: WG636326-1						
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	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 20:33
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/17/13 20:56
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,04 Batch: WG636910-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.283	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.634	0.290	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.4	5.04	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	106		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

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: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG636910-2 WG636910-3									
Delta-BHC	82		88		30-150	7		30	A
Lindane	64		79		30-150	21		30	A
Alpha-BHC	70		75		30-150	7		30	A
Beta-BHC	70		74		30-150	6		30	A
Heptachlor	86		87		30-150	1		30	A
Aldrin	80		84		30-150	5		30	A
Heptachlor epoxide	77		82		30-150	6		30	A
Endrin	87		93		30-150	7		30	A
Endrin ketone	74		81		30-150	9		30	A
Dieldrin	81		86		30-150	6		30	A
4,4'-DDE	78		81		30-150	4		30	A
4,4'-DDD	80		86		30-150	7		30	A
4,4'-DDT	84		90		30-150	7		30	A
Endosulfan I	79		84		30-150	6		30	A
Endosulfan II	84		89		30-150	6		30	A
Endosulfan sulfate	81		88		30-150	8		30	A
Methoxychlor	69		75		30-150	8		30	A
cis-Chlordane	76		81		30-150	6		30	A
trans-Chlordane	77		81		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,04 Batch: WG636910-2 WG636910-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		87		30-150	A
Decachlorobiphenyl	78		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		58		30-150	B
Decachlorobiphenyl	115		86		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	0.03	J	mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Barium, TCLP	0.59		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Lead, TCLP	0.62		mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:00	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 11:59	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318167
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-01
Client ID: CSO_COMP-05_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 09/14/13 13:05
Date Received: 09/14/13
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	8900		mg/kg	8.7	1.7	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.70	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Barium, Total	140		mg/kg	0.87	0.26	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Beryllium, Total	1.3		mg/kg	0.43	0.09	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Cadmium, Total	0.96		mg/kg	0.87	0.06	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Calcium, Total	28000		mg/kg	8.7	2.6	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Chromium, Total	28		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Cobalt, Total	16		mg/kg	1.7	0.43	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Copper, Total	210		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Iron, Total	18000		mg/kg	4.3	1.7	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Lead, Total	610		mg/kg	4.3	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Magnesium, Total	10000		mg/kg	8.7	0.87	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Manganese, Total	300		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Mercury, Total	0.49		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:31	EPA 7471B	1,7471B	MC
Nickel, Total	34		mg/kg	2.2	0.35	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Potassium, Total	1200		mg/kg	220	35.	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Selenium, Total	0.41	J	mg/kg	1.7	0.26	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Sodium, Total	690		mg/kg	170	26.	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Vanadium, Total	22		mg/kg	0.87	0.09	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT
Zinc, Total	1100		mg/kg	4.3	0.61	2	09/19/13 11:28	09/19/13 20:16	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Barium, TCLP	0.65		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Lead, TCLP	1.5		mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:02	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 13:49	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318167
Project Number: 170229002
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-04
Client ID: CSO_COMP-06_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 09/14/13 13:15
Date Received: 09/14/13
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	8.8	1.8	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.70	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Arsenic, Total	7.8		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Barium, Total	160		mg/kg	0.88	0.26	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Beryllium, Total	1.5		mg/kg	0.44	0.09	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.88	0.06	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Calcium, Total	23000		mg/kg	8.8	2.6	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Chromium, Total	32		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Cobalt, Total	17		mg/kg	1.8	0.44	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Copper, Total	190		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Iron, Total	27000		mg/kg	4.4	1.8	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Lead, Total	310		mg/kg	4.4	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Magnesium, Total	8200		mg/kg	8.8	0.88	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Manganese, Total	280		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Mercury, Total	0.50		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:37	EPA 7471B	1,7471B	MC
Nickel, Total	34		mg/kg	2.2	0.35	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Potassium, Total	1000		mg/kg	220	35.	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Selenium, Total	0.40	J	mg/kg	1.8	0.26	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.88	0.18	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Sodium, Total	410		mg/kg	180	26.	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.35	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Vanadium, Total	25		mg/kg	0.88	0.09	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT
Zinc, Total	780		mg/kg	4.4	0.62	2	09/19/13 11:28	09/19/13 20:20	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

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: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2		mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01,04 Batch: WG637446-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

Method Blank Analysis
Batch Quality Control

Lead, TCLP	ND	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Selenium, TCLP	ND	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Silver, TCLP	ND	mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/18/13 16:44

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: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01,04 Batch: WG638031-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/18/13 16:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG637410-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	90		-		83-117	-		
Chromium, Total	92		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	78		-		74-126	-		
Manganese, Total	97		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	105		-		66-134	-		
Sodium, Total	106		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	89		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 Batch: WG637446-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	105	-	75-125	-	20
Lead, TCLP	100	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	104	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01,04 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 Batch: WG638031-2					
Mercury, TCLP	111	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

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: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample												
Aluminum, Total	1500	194	2700	**618**	Q	-	-		75-125	-		35
Antimony, Total	4.4J	48.5	52	107		-	-		75-125	-		35
Arsenic, Total	12.	11.6	23	86		-	-		75-125	-		35
Barium, Total	360	194	670	**154**	Q	-	-		75-125	-		35
Beryllium, Total	0.22J	4.85	5.1	105		-	-		75-125	-		35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-		75-125	-		35
Calcium, Total	620	971	4700	**419**	Q	-	-		75-125	-		35
Chromium, Total	14.	19.4	27	**62**	Q	-	-		75-125	-		35
Cobalt, Total	3.4	48.5	49	94		-	-		75-125	-		35
Copper, Total	130	24.3	120	**0**	Q	-	-		75-125	-		35
Iron, Total	5800	97.1	5200	**0**	Q	-	-		75-125	-		35
Lead, Total	420	49.5	280	**0**	Q	-	-		75-125	-		35
Magnesium, Total	290	971	1200	93		-	-		75-125	-		35
Manganese, Total	56.	48.5	110	107		-	-		75-125	-		35
Nickel, Total	15.	48.5	56	84		-	-		75-125	-		35
Potassium, Total	220J	971	1300	**134**	Q	-	-		75-125	-		35
Selenium, Total	6.1	11.6	16	84		-	-		75-125	-		35
Silver, Total	0.26J	29.1	28	96		-	-		75-125	-		35
Sodium, Total	120J	971	1200	124		-	-		75-125	-		35
Thallium, Total	ND	11.6	10	86		-	-		75-125	-		35
Vanadium, Total	8.1	48.5	54	94		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

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: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637446-4 QC Sample: L1318167-01 Client ID: CSO_COMP-05_0-10										
Arsenic, TCLP	0.03J	1.2	1.3	108		-	-	75-125	-	20
Barium, TCLP	0.59	20	21	102		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106		-	-	75-125	-	20
Chromium, TCLP	ND	2	2.1	105		-	-	75-125	-	20
Lead, TCLP	0.62	5.1	5.7	100		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.4	117		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.52	104		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG638031-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0263	105		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637446-3 QC Sample: L1318167-01 Client ID: CSO_COMP-05_0-10					
Arsenic, TCLP	0.03J	0.05J	mg/l	NC	20
Barium, TCLP	0.59	0.57	mg/l	3	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.62	0.60	mg/l	3	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG638031-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-01	Date Collected:	09/14/13 13:05
Client ID:	CSO_COMP-05_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

SAMPLE RESULTS

Lab ID:	L1318167-04	Date Collected:	09/14/13 13:15
Client ID:	CSO_COMP-06_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-01
Client ID: CSO_COMP-05_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 13:05
Date Received: 09/14/13
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	28		mg/kg	0.91	0.91	1	-	09/23/13 11:29	107,-	JO
Solids, Total	87.5		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 10:00	09/18/13 15:22	1,9010C/9012A	JO
pH (H)	8.2		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.91	0.20	1	09/16/13 17:50	09/17/13 22:39	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:08	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-02
Client ID: CSO_SB-05A_7.5-8.0
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 13:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-03
Client ID: CSO_SB-06A_3.5-4
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 13:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318167-04
Client ID: CSO_COMP-06_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 13:15
Date Received: 09/14/13
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	32		mg/kg	0.94	0.94	1	-	09/23/13 11:29	107,-	JO
Solids, Total	85.3		%	0.100	NA	1	-	09/16/13 22:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	09/18/13 10:00	09/18/13 15:23	1,9010C/9012A	JO
pH (H)	8.1		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.94	0.21	1	09/16/13 17:50	09/17/13 22:39	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:08	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:00	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318167

Project Number: 170229002 **Report Date:** 09/24/13

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: WG636545-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 17:50	09/17/13 22:28	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG636888-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/18/13 00:06	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG636890-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/17/13 21:00	09/17/13 23:59	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01,04 Batch: WG637047-1										
Cyanide, Total	ND		mg/kg	0.91	0.21	1	09/18/13 10:00	09/18/13 14:57	1,9010C/9012A	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG636188-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG636545-2								
Chromium, Hexavalent	89		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG636888-2								
Cyanide, Reactive	43		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG636890-2								
Sulfide, Reactive	89		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01,04 Batch: WG637047-2 WG637047-3								
Cyanide, Total	103		104		80-120	1		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318167
Report Date: 09/24/13

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: WG636545-5 WG636545-8 QC Sample: L1318168-04 Client ID: MS Sample												
Chromium, Hexavalent	ND	1370	820	**60**	Q	860	**64**	Q	75-125	5		20
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG637047-4 WG637047-5 QC Sample: L1318168-04 Client ID: MS Sample												
Cyanide, Total	ND	10	10	98		9.9	95		65-135	1		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636188-2 QC Sample: L1318166-02 Client ID: DUP Sample						
pH	10.	10.0	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636545-4 QC Sample: L1318168-04 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG636567-1 QC Sample: L1318162-01 Client ID: DUP Sample						
Solids, Total	90.2	91.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636888-3 QC Sample: L1318234-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG636890-3 QC Sample: L1318234-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 19:09

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318167-01A	Vial Large Septa unpreserved	A	N/A	3.2	Y	Absent	TPH-GRO(14)
L1318167-01B	Amber 500ml unpreserved	A	N/A	3.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318167-01C	Amber 500ml unpreserved	A	N/A	3.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318167-01X	Plastic 250ml HNO3 preserved spl	A	<2	3.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318167-02A	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318167
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318167-02B	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-02C	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-02D	Plastic 2oz unpreserved for TS	A	N/A	3.2	Y	Absent	TS(7)
L1318167-02X	Vial MeOH preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-02Y	Vial Water preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-02Z	Vial Water preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-03A	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-03B	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-03C	5 gram Encore Sampler	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(2)
L1318167-03D	Plastic 2oz unpreserved for TS	A	N/A	3.2	Y	Absent	TS(7)
L1318167-03X	Vial MeOH preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-03Y	Vial Water preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-03Z	Vial Water preserved split	A	N/A	3.2	Y	Absent	NYTCL-8260HLW(14)
L1318167-04A	Vial Large Septa unpreserved	A	N/A	3.2	Y	Absent	TPH-GRO(14)
L1318167-04B	Amber 500ml unpreserved	A	N/A	3.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318167-04C	Amber 500ml unpreserved	A	N/A	3.2	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(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: L1318167
Report Date: 09/24/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318167-04X	Plastic 250ml HNO3 preserved spl	A	<2	3.2	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318167-05A	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1318167-05B	Vial HCl preserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

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

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.
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.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318167
Project Number:	170229002	**Report Date:**	09/24/13

Data Qualifiers

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:** L1318167
Project Number: 170229002 **Report Date:** 09/24/13

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.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

revised 9/24/13 CW

Serial_No:09241315:19

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318167

Client Information

Client: Langan, D.P.C.

Address: 360 W 31st St 8th Fl, New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5441

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 #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 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	6NYCRR 375 Unrestricted Use, SCOs

Other Project Specific Requirements/Comments/Detection Limits:

1) Report TCL and Part 375 parameters; 2) provide Category A data deliverables; 3) provide NYSDEC card

ANALYSIS

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	VOC	Total Metals, Total CN, Hex Chrom, TCLP Metals, TCLP Pest/Herb	TS	SVOC, PCB, Pest, Herb, TPH DRO	TPH GRO	Sample Specific Comments	Total # Bottles
1	CSO_COMP-05_0-10	9/13/13	1305	Soil			X		X X			3
2	CSO_SB-05A_(6.5-7)		1300			X		X			CSO_SB-05A-7.5-8.	4
3	CSO_SB-06A_(3.5-4)		1315			X		X			CSO_SB-06A_3.5_4	4
4	CSO-COMP-06-0-10		1315				X		X X			3
5	Trip Blank-091413									X	TB02_091413	2

Container Type														
Preservative														

Relinquished By:	Date/Time	Received By:	Date/Time
Samantha Bell	1330, 9/14/13	Abdul Mahubey	9/14/13 13:30
Abdul Mahubey	9/14/13 17:35	[illegible]	9/14/13 17:35

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)

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318167

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: 360 W 31st St 8th Fl, New York, NY 10001
Phone: 217-479-5400
Fax: 217-479-5441
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 #: 2013963

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/23/13 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	6NYCRR 375 Unrestricted Use, SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide Category A data deliverables; 3) provide NYSDEC card

ANALYSIS: VOC; Total Metals, Total CN, Hex Chrom, TCLP Metals, TCLP Pest, Herb; 13 SVOC, PCB, Pest, Herb, TPH DRO; TPH GRO; VOC

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	VOC	Total Metals, Total CN, Hex Chrom, TCLP Metals, TCLP Pest, Herb	13 SVOC, PCB, Pest, Herb	TPH DRO	TPH GRO	VOC	Sample Specific Comments	Total # Bottles
1	CSO_COMP-05_0-10	9/13/13	1305	Soil			X	X	X				3
2	CSO_SB-05A_(6.5-7)		1300			X		X					4
3	CSO_SB-06A_(3.5-4)		1315			X		X					4
4	CSO_COMP-06_0-10		1315				X	X	X				3
5	Trip Blank_091413									X			2

	Relinquished By:	Date/Time	Received By:	Date/Time
Container Type / Preservative	Samantha Bell	1330, 9/14/13	Abdul Mahdy	9/14/13 13:30
	Abdul Mahdy	9/14/13 17:35	[illegible]	9/14/13 17:35

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:	L1318168
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:	09/25/13

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: L1318168
Report Date: 09/25/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318168-01	G2_SB-04C_0-0.5	BROOKLYN, NY	09/14/13 08:15
L1318168-02	G2_SB-05B_2.5-3	BROOKLYN, NY	09/14/13 08:43
L1318168-03	CSO_SB-01A_0-0.5	BROOKLYN, NY	09/14/13 09:00
L1318168-04	G2_COMP-04_0-5	BROOKLYN, NY	09/14/13 08:15
L1318168-05	G2_COMP-05_0-5	BROOKLYN, NY	09/14/13 08:55
L1318168-06	CSO_COMP-01_0-10	BROOKLYN, NY	09/14/13 09:15
L1318168-07	TB03_091413	BROOKLYN, NY	09/14/13 00:00

Project Name: GREENPOINT LANDING **Lab Number:** L1318168
Project Number: 170229002 **Report Date:** 09/25/13

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 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.

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

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

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.

Semivolatile Organics

L1318168-04 has elevated detection limits due to the dilution required by the sample matrix.

L1318168-05 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.

Pesticides

L1318168-04, -05, and -06 have elevated detection limits due to the dilutions required by the sample matrices.

Total Metals

L1318168-04, -05, and -06 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG637410-1 Method Blank, associated with L1318168-04, -05, and -06, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank concentration, no qualification of the results was performed.

Chromium, Hexavalent

The WG636545-5/-8 MS/MSD recoveries (60%/64%), performed on L1318168-04, are below the acceptance criteria; however, the associated LCS recovery is within criteria. This has been attributed to matrix interference.

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: Kelly Stenstrom

Title: Technical Director/Representative

Date: 09/25/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-01	Date Collected:	09/14/13 08:15
Client ID:	G2_SB-04C_0-0.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	None
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 13:29		
Analyst:	BN		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	870	170	1
1,1-Dichloroethane	ND		ug/kg	130	15.	1
Chloroform	ND		ug/kg	130	32.	1
Carbon tetrachloride	ND		ug/kg	87	18.	1
1,2-Dichloropropane	ND		ug/kg	300	20.	1
Dibromochloromethane	ND		ug/kg	87	27.	1
1,1,2-Trichloroethane	ND		ug/kg	130	26.	1
Tetrachloroethene	ND		ug/kg	87	12.	1
Chlorobenzene	ND		ug/kg	87	30.	1
Trichlorofluoromethane	ND		ug/kg	440	10.	1
1,2-Dichloroethane	43	J	ug/kg	87	13.	1
1,1,1-Trichloroethane	ND		ug/kg	87	9.6	1
Bromodichloromethane	ND		ug/kg	87	20.	1
trans-1,3-Dichloropropene	ND		ug/kg	87	10.	1
cis-1,3-Dichloropropene	ND		ug/kg	87	11.	1
1,1-Dichloropropene	ND		ug/kg	440	40.	1
Bromoform	ND		ug/kg	350	36.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	87	15.	1
Benzene	3500		ug/kg	87	10.	1
Toluene	9700		ug/kg	130	9.7	1
Ethylbenzene	3000		ug/kg	87	13.	1
Chloromethane	ND		ug/kg	440	68.	1
Bromomethane	ND		ug/kg	170	29.	1
Vinyl chloride	ND		ug/kg	170	12.	1
Chloroethane	ND		ug/kg	170	28.	1
1,1-Dichloroethene	ND		ug/kg	87	18.	1
trans-1,2-Dichloroethene	ND		ug/kg	130	18.	1
Trichloroethene	ND		ug/kg	87	13.	1
1,2-Dichlorobenzene	ND		ug/kg	440	16.	1
1,3-Dichlorobenzene	ND		ug/kg	440	16.	1
1,4-Dichlorobenzene	30	J	ug/kg	440	21.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-01 Date Collected: 09/14/13 08:15

Client ID: G2_SB-04C_0-0.5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	170	9.1	1
p/m-Xylene	9900		ug/kg	170	28.	1
o-Xylene	2200		ug/kg	170	24.	1
cis-1,2-Dichloroethene	ND		ug/kg	87	13.	1
Dibromomethane	ND		ug/kg	870	14.	1
Styrene	ND		ug/kg	170	27.	1
Dichlorodifluoromethane	ND		ug/kg	870	19.	1
Acetone	310	J	ug/kg	870	270	1
Carbon disulfide	ND		ug/kg	870	170	1
2-Butanone	ND		ug/kg	870	31.	1
Vinyl acetate	ND		ug/kg	870	42.	1
4-Methyl-2-pentanone	ND		ug/kg	870	21.	1
1,2,3-Trichloropropane	45	J	ug/kg	870	20.	1
2-Hexanone	ND		ug/kg	870	16.	1
Bromochloromethane	ND		ug/kg	440	17.	1
2,2-Dichloropropane	ND		ug/kg	440	20.	1
1,2-Dibromoethane	ND		ug/kg	350	15.	1
1,3-Dichloropropane	ND		ug/kg	440	15.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	87	28.	1
Bromobenzene	ND		ug/kg	440	18.	1
n-Butylbenzene	480		ug/kg	87	17.	1
sec-Butylbenzene	130		ug/kg	87	18.	1
tert-Butylbenzene	ND		ug/kg	440	49.	1
o-Chlorotoluene	ND		ug/kg	440	14.	1
p-Chlorotoluene	ND		ug/kg	440	13.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	440	69.	1
Hexachlorobutadiene	ND		ug/kg	440	37.	1
Isopropylbenzene	250		ug/kg	87	14.	1
p-Isopropyltoluene	100		ug/kg	87	17.	1
Naphthalene	2300		ug/kg	440	67.	1
Acrylonitrile	ND		ug/kg	870	21.	1
n-Propylbenzene	1200		ug/kg	87	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	440	15.	1
1,2,4-Trichlorobenzene	ND		ug/kg	440	69.	1
1,3,5-Trimethylbenzene	1200		ug/kg	440	12.	1
1,2,4-Trimethylbenzene	5300		ug/kg	440	50.	1
Methyl Acetate	ND		ug/kg	1700	66.	1
Cyclohexane	ND		ug/kg	1700	93.	1
1,4-Dioxane	ND		ug/kg	8700	1500	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-01	Date Collected:	09/14/13 08:15
Client ID:	G2_SB-04C_0-0.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	1700	24.	1
p-Diethylbenzene	2300		ug/kg	350	14.	1
p-Ethyltoluene	4600		ug/kg	350	10.	1
1,2,4,5-Tetramethylbenzene	2600		ug/kg	350	11.	1
Ethyl ether	ND		ug/kg	440	23.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	440	39.	1
Methyl cyclohexane	1000		ug/kg	350	110	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	92		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-02	Date Collected:	09/14/13 08:43
Client ID:	G2_SB-05B_2.5-3	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 02:45		
Analyst:	PP		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.3	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.16	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.93	0.13	1
Chlorobenzene	ND		ug/kg	0.93	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.11	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.10	1
Bromodichloromethane	ND		ug/kg	0.93	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	0.12	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.42	1
Bromoform	ND		ug/kg	3.7	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	0.16	1
Benzene	ND		ug/kg	0.93	0.11	1
Toluene	ND		ug/kg	1.4	0.10	1
Ethylbenzene	ND		ug/kg	0.93	0.14	1
Chloromethane	ND		ug/kg	4.6	0.73	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.13	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.93	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.22	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-02 Date Collected: 09/14/13 08:43

Client ID: G2_SB-05B_2.5-3 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.8	0.10	1
p/m-Xylene	ND		ug/kg	1.8	0.30	1
o-Xylene	ND		ug/kg	1.8	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.14	1
Dibromomethane	ND		ug/kg	9.3	0.15	1
Styrene	ND		ug/kg	1.8	0.29	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.20	1
Acetone	ND		ug/kg	9.3	2.9	1
Carbon disulfide	ND		ug/kg	9.3	1.8	1
2-Butanone	ND		ug/kg	9.3	0.33	1
Vinyl acetate	ND		ug/kg	9.3	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.3	0.21	1
2-Hexanone	ND		ug/kg	9.3	0.17	1
Bromochloromethane	ND		ug/kg	4.6	0.18	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.93	0.30	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.93	0.18	1
sec-Butylbenzene	ND		ug/kg	0.93	0.19	1
tert-Butylbenzene	ND		ug/kg	4.6	0.52	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.73	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.39	1
Isopropylbenzene	ND		ug/kg	0.93	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.18	1
Naphthalene	ND		ug/kg	4.6	0.71	1
Acrylonitrile	ND		ug/kg	9.3	0.22	1
n-Propylbenzene	ND		ug/kg	0.93	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.73	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.53	1
Methyl Acetate	ND		ug/kg	18	0.71	1
Cyclohexane	ND		ug/kg	18	1.0	1
1,4-Dioxane	ND		ug/kg	93	16.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-02	Date Collected:	09/14/13 08:43
Client ID:	G2_SB-05B_2.5-3	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	18	0.25	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.11	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	ND		ug/kg	4.6	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.42	1
Methyl cyclohexane	ND		ug/kg	3.7	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-03	Date Collected:	09/14/13 09:00
Client ID:	CSO_SB-01A_0-0.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/23/13 03:13		
Analyst:	PP		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.18	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.31	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.12	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.0	0.46	1
Bromoform	ND		ug/kg	4.0	0.41	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.11	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	5.0	0.78	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.14	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-03 Date Collected: 09/14/13 09:00

Client ID: CSO_SB-01A_0-0.5 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.10	1
p/m-Xylene	ND		ug/kg	2.0	0.32	1
o-Xylene	ND		ug/kg	2.0	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.16	1
Styrene	ND		ug/kg	2.0	0.31	1
Dichlorodifluoromethane	ND		ug/kg	10	0.22	1
Acetone	3.4	J	ug/kg	10	3.1	1
Carbon disulfide	ND		ug/kg	10	2.0	1
2-Butanone	ND		ug/kg	10	0.36	1
Vinyl acetate	ND		ug/kg	10	0.48	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.22	1
2-Hexanone	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.0	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.20	1
sec-Butylbenzene	ND		ug/kg	1.0	0.20	1
tert-Butylbenzene	ND		ug/kg	5.0	0.56	1
o-Chlorotoluene	ND		ug/kg	5.0	0.16	1
p-Chlorotoluene	ND		ug/kg	5.0	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.42	1
Isopropylbenzene	ND		ug/kg	1.0	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.19	1
Naphthalene	ND		ug/kg	5.0	0.77	1
Acrylonitrile	ND		ug/kg	10	0.24	1
n-Propylbenzene	ND		ug/kg	1.0	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57	1
Methyl Acetate	ND		ug/kg	20	0.76	1
Cyclohexane	ND		ug/kg	20	1.1	1
1,4-Dioxane	ND		ug/kg	100	17.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-03	Date Collected:	09/14/13 09:00
Client ID:	CSO_SB-01A_0-0.5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Freon-113	ND		ug/kg	20	0.27	1
p-Diethylbenzene	ND		ug/kg	4.0	0.16	1
p-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	5.0	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.45	1
Methyl cyclohexane	ND		ug/kg	4.0	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-07	Date Collected:	09/14/13 00:00
Client ID:	TB03_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/20/13 19:24		
Analyst:	PD		

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	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-07 Date Collected: 09/14/13 00:00

Client ID: TB03_091413 Date Received: 09/14/13

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	2.6	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	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	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-07	Date Collected:	09/14/13 00:00
Client ID:	TB03_091413	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	104		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG638014-3					
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	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG638014-3					
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	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
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
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

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG638014-3					
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	0.24
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	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG638254-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
1,1-Dichloropropene	ND		ug/kg	5.0	0.46
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG638254-3					
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
2,2-Dichloropropane	ND		ug/kg	5.0	0.22
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
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	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.15
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Hexachlorobutadiene	ND		ug/kg	5.0	0.42
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/13 17:50
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG638254-3					
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
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	0.45
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG638377-3					
Methylene chloride	ND		ug/kg	500	100
1,1-Dichloroethane	ND		ug/kg	75	8.9
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	15.
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	6.1
1,2-Dichloroethane	ND		ug/kg	50	7.3
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	11.
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	6.4
1,1-Dichloropropene	ND		ug/kg	250	23.
Bromoform	ND		ug/kg	200	21.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	8.5
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	5.6
Ethylbenzene	ND		ug/kg	50	7.4
Chloromethane	ND		ug/kg	250	39.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	7.1
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	10.
trans-1,2-Dichloroethene	ND		ug/kg	75	10.
Trichloroethene	ND		ug/kg	50	7.6
1,2-Dichlorobenzene	ND		ug/kg	250	9.2
1,3-Dichlorobenzene	ND		ug/kg	250	9.2
1,4-Dichlorobenzene	ND		ug/kg	250	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG638377-3					
Methyl tert butyl ether	ND		ug/kg	100	5.2
p/m-Xylene	ND		ug/kg	100	16.
o-Xylene	ND		ug/kg	100	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	7.5
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	15.
Dichlorodifluoromethane	ND		ug/kg	500	11.
Acetone	ND		ug/kg	500	160
Carbon disulfide	ND		ug/kg	500	100
2-Butanone	ND		ug/kg	500	18.
Vinyl acetate	ND		ug/kg	500	24.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	11.
2-Hexanone	ND		ug/kg	500	9.4
Bromochloromethane	ND		ug/kg	250	9.8
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.9
1,3-Dichloropropane	ND		ug/kg	250	8.6
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	9.9
sec-Butylbenzene	ND		ug/kg	50	10.
tert-Butylbenzene	ND		ug/kg	250	28.
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	7.7
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	39.
Hexachlorobutadiene	ND		ug/kg	250	21.
Isopropylbenzene	ND		ug/kg	50	8.4
p-Isopropyltoluene	ND		ug/kg	50	9.6
Naphthalene	ND		ug/kg	250	38.
Acrylonitrile	ND		ug/kg	500	12.

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/23/13 09:30
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG638377-3					
n-Propylbenzene	ND		ug/kg	50	6.3
1,2,3-Trichlorobenzene	ND		ug/kg	250	8.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	39.
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	29.
Methyl Acetate	ND		ug/kg	1000	38.
Cyclohexane	ND		ug/kg	1000	54.
1,4-Dioxane	ND		ug/kg	5000	870
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	5.8
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	22.
Methyl cyclohexane	ND		ug/kg	200	63.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
p-Diethylbenzene	104		107		70-130	3		20
p-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	84		84		70-130	0		30
Chloroform	84		85		70-130	1		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	96		84		70-139	13		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	86		86		70-130	0		30
Bromodichloromethane	84		85		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	100		99		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	87		86		70-130	1		30
Toluene	101		95		70-130	6		30
Ethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								
Chloromethane	85		82		52-130	4		30
Bromomethane	101		102		57-147	1		30
Vinyl chloride	94		95		67-130	1		30
Chloroethane	97		100		50-151	3		30
1,1-Dichloroethene	90		89		65-135	1		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	97		99		70-130	2		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	85		85		66-130	0		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	93		96		70-130	3		30
cis-1,2-Dichloroethene	86		87		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	93		65		54-140	**35**	Q	30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	100		79		70-130	23		30
Vinyl acetate	80		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								
4-Methyl-2-pentanone	89		83		70-130	7		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	98		82		70-130	18		30
Bromochloromethane	88		88		70-130	0		30
2,2-Dichloropropane	89		87		70-130	2		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	93		95		70-130	2		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		97		70-130	1		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	96		97		70-130	1		30
o-Chlorotoluene	97		89		70-130	9		30
p-Chlorotoluene	95		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	99		100		67-130	1		30
Isopropylbenzene	94		95		70-130	1		30
p-Isopropyltoluene	98		98		70-130	0		30
Naphthalene	97		99		70-130	2		30
Acrylonitrile	88		84		70-130	5		30
Isopropyl Ether	81		82		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								
tert-Butyl Alcohol	98		92		70-130	6		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	99		101		70-130	2		30
1,3,5-Trimethylbenzene	96		97		70-130	1		30
1,2,4-Trimethylbenzene	96		98		70-130	2		30
Methyl Acetate	89		84		51-146	6		30
Ethyl Acetate	91		83		70-130	9		30
Acrolein	97		86		70-130	12		30
Cyclohexane	86		83		59-142	4		30
1,4-Dioxane	100		96		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		88		50-139	1		30
1,4-Diethylbenzene	99		99		70-130	0		30
4-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		100		70-130	4		30
Tetrahydrofuran	85		82		66-130	4		30
Ethyl ether	85		78		67-130	9		30
trans-1,4-Dichloro-2-butene	94		92		70-130	2		30
Methyl cyclohexane	88		86		70-130	2		30
Ethyl-Tert-Butyl-Ether	83		84		70-130	1		30
Tertiary-Amyl Methyl Ether	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG638254-1 WG638254-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								
Methylene chloride	77		79		70-130	3		30
1,1-Dichloroethane	83		82		70-130	1		30
Chloroform	84		82		70-130	2		30
Carbon tetrachloride	89		86		70-130	3		30
1,2-Dichloropropane	84		84		70-130	0		30
Dibromochloromethane	91		92		70-130	1		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	82		82		70-130	0		30
1,1,1-Trichloroethane	85		83		70-130	2		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	85		83		70-130	2		30
Bromoform	91		93		70-130	2		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	85		84		70-130	1		30
Toluene	93		91		70-130	2		30
Ethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								
Chloromethane	76		77		52-130	1		30
Bromomethane	98		95		57-147	3		30
Vinyl chloride	79		84		67-130	6		30
Chloroethane	94		95		50-151	1		30
1,1-Dichloroethene	80		82		65-135	2		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	85		83		70-130	2		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	94		95		70-130	1		30
Methyl tert butyl ether	78		80		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	83		84		70-130	1		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	51		52		30-146	2		30
Acetone	77		75		54-140	3		30
Carbon disulfide	77		76		59-130	1		30
2-Butanone	93		93		70-130	0		30
Vinyl acetate	78		79		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								
4-Methyl-2-pentanone	77		80		70-130	4		30
1,2,3-Trichloropropane	90		91		68-130	1		30
2-Hexanone	88		87		70-130	1		30
Bromochloromethane	86		85		70-130	1		30
2,2-Dichloropropane	86		83		70-130	4		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	96		95		70-130	1		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	94		94		70-130	0		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	88		89		68-130	1		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	91		90		70-130	1		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	82		83		70-130	1		30
Isopropyl Ether	79		80		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								
tert-Butyl Alcohol	82		86		70-130	5		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	91		92		70-130	1		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	78		80		51-146	3		30
Ethyl Acetate	79		80		70-130	1		30
Acrolein	85		85		70-130	0		30
Cyclohexane	83		81		59-142	2		30
1,4-Dioxane	91		95		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	85		83		50-139	2		30
1,4-Diethylbenzene	94		94		70-130	0		30
4-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Tetrahydrofuran	92		79		66-130	15		30
Ethyl ether	70		86		67-130	21		30
trans-1,4-Dichloro-2-butene	87		90		70-130	3		30
Methyl cyclohexane	86		84		70-130	2		30
Ethyl-Tert-Butyl-Ether	80		80		70-130	0		30
Tertiary-Amyl Methyl Ether	82		82		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG638377-1 WG638377-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	D	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/16/13 20:31
Analytical Date:	09/20/13 23:55			
Analyst:	PS			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	120	J	ug/kg	290	75.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	220	68.	2
Bis(2-chloroethyl)ether	ND		ug/kg	330	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	97.	2
2,4-Dinitrotoluene	ND		ug/kg	360	78.	2
2,6-Dinitrotoluene	ND		ug/kg	360	93.	2
Fluoranthene	1800		ug/kg	220	67.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	84.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	440	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	290	66.	2
Isophorone	ND		ug/kg	330	97.	2
Naphthalene	540		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	330	86.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	76.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	150	J	ug/kg	360	95.	2
Butyl benzyl phthalate	ND		ug/kg	360	71.	2
Di-n-butylphthalate	ND		ug/kg	360	70.	2
Di-n-octylphthalate	ND		ug/kg	360	90.	2
Diethyl phthalate	ND		ug/kg	360	77.	2
Dimethyl phthalate	ND		ug/kg	360	92.	2
Benzo(a)anthracene	830		ug/kg	220	71.	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-04 D Date Collected: 09/14/13 08:15

Client ID: G2_COMP-04_0-5 Date Received: 09/14/13

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)pyrene	830		ug/kg	290	89.	2
Benzo(b)fluoranthene	1100		ug/kg	220	73.	2
Benzo(k)fluoranthene	420		ug/kg	220	69.	2
Chrysene	960		ug/kg	220	71.	2
Acenaphthylene	120	J	ug/kg	290	68.	2
Anthracene	340		ug/kg	220	60.	2
Benzo(ghi)perylene	620		ug/kg	290	76.	2
Fluorene	240	J	ug/kg	360	100	2
Phenanthrene	1500		ug/kg	220	71.	2
Dibenzo(a,h)anthracene	170	J	ug/kg	220	70.	2
Indeno(1,2,3-cd)Pyrene	620		ug/kg	290	81.	2
Pyrene	1700		ug/kg	220	71.	2
Biphenyl	ND		ug/kg	830	120	2
4-Chloroaniline	ND		ug/kg	360	96.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	100	2
4-Nitroaniline	ND		ug/kg	360	98.	2
Dibenzofuran	170	J	ug/kg	360	120	2
2-Methylnaphthalene	370	J	ug/kg	440	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	220	69.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	330	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	780	110	2
4-Nitrophenol	ND		ug/kg	510	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	500	2
4,6-Dinitro-o-cresol	ND		ug/kg	950	130	2
Pentachlorophenol	ND		ug/kg	290	78.	2
Phenol	ND		ug/kg	360	110	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	370	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	120	J	ug/kg	360	78.	2
Benzaldehyde	ND		ug/kg	480	150	2

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04 D	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	360	100	2
Atrazine	ND		ug/kg	290	82.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	360	62.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	43		0-136
4-Terphenyl-d14	62		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	D	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	09/16/13 20:31
Analytical Date:	09/21/13 00:23			
Analyst:	PS			
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	820		ug/kg	610	160	4
1,2,4-Trichlorobenzene	ND		ug/kg	770	250	4
Hexachlorobenzene	ND		ug/kg	460	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	690	220	4
2-Chloronaphthalene	ND		ug/kg	770	250	4
1,2-Dichlorobenzene	ND		ug/kg	770	250	4
1,3-Dichlorobenzene	ND		ug/kg	770	240	4
1,4-Dichlorobenzene	ND		ug/kg	770	230	4
3,3'-Dichlorobenzidine	ND		ug/kg	770	200	4
2,4-Dinitrotoluene	ND		ug/kg	770	160	4
2,6-Dinitrotoluene	ND		ug/kg	770	200	4
Fluoranthene	6900		ug/kg	460	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	770	230	4
4-Bromophenyl phenyl ether	ND		ug/kg	770	180	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	920	270	4
Bis(2-chloroethoxy)methane	ND		ug/kg	830	230	4
Hexachlorobutadiene	ND		ug/kg	770	220	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	490	4
Hexachloroethane	ND		ug/kg	610	140	4
Isophorone	ND		ug/kg	690	200	4
Naphthalene	460	J	ug/kg	770	260	4
Nitrobenzene	ND		ug/kg	690	180	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	610	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	770	230	4
Bis(2-Ethylhexyl)phthalate	210	J	ug/kg	770	200	4
Butyl benzyl phthalate	ND		ug/kg	770	150	4
Di-n-butylphthalate	ND		ug/kg	770	150	4
Di-n-octylphthalate	ND		ug/kg	770	190	4
Diethyl phthalate	ND		ug/kg	770	160	4
Dimethyl phthalate	ND		ug/kg	770	200	4
Benzo(a)anthracene	3500		ug/kg	460	150	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-05 D Date Collected: 09/14/13 08:55

Client ID: G2_COMP-05_0-5 Date Received: 09/14/13

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)pyrene	3300		ug/kg	610	190	4
Benzo(b)fluoranthene	3400		ug/kg	460	160	4
Benzo(k)fluoranthene	1500		ug/kg	460	150	4
Chrysene	3600		ug/kg	460	150	4
Acenaphthylene	310	J	ug/kg	610	140	4
Anthracene	2000		ug/kg	460	130	4
Benzo(ghi)perylene	1800		ug/kg	610	160	4
Fluorene	870		ug/kg	770	220	4
Phenanthrene	7100		ug/kg	460	150	4
Dibenzo(a,h)anthracene	480		ug/kg	460	150	4
Indeno(1,2,3-cd)Pyrene	1800		ug/kg	610	170	4
Pyrene	7400		ug/kg	460	150	4
Biphenyl	ND		ug/kg	1800	250	4
4-Chloroaniline	ND		ug/kg	770	200	4
2-Nitroaniline	ND		ug/kg	770	220	4
3-Nitroaniline	ND		ug/kg	770	210	4
4-Nitroaniline	ND		ug/kg	770	210	4
Dibenzofuran	320	J	ug/kg	770	260	4
2-Methylnaphthalene	430	J	ug/kg	920	240	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	770	240	4
Acetophenone	ND		ug/kg	770	240	4
2,4,6-Trichlorophenol	ND		ug/kg	460	140	4
P-Chloro-M-Cresol	ND		ug/kg	770	220	4
2-Chlorophenol	ND		ug/kg	770	230	4
2,4-Dichlorophenol	ND		ug/kg	690	250	4
2,4-Dimethylphenol	ND		ug/kg	770	230	4
2-Nitrophenol	ND		ug/kg	1600	240	4
4-Nitrophenol	ND		ug/kg	1100	250	4
2,4-Dinitrophenol	ND		ug/kg	3700	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	2000	280	4
Pentachlorophenol	ND		ug/kg	610	160	4
Phenol	ND		ug/kg	770	230	4
2-Methylphenol	ND		ug/kg	770	250	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	250	4
2,4,5-Trichlorophenol	ND		ug/kg	770	250	4
Benzoic Acid	ND		ug/kg	2500	780	4
Benzyl Alcohol	ND		ug/kg	770	240	4
Carbazole	340	J	ug/kg	770	160	4
Benzaldehyde	ND		ug/kg	1000	310	4

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05 D	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	770	210	4
Atrazine	ND		ug/kg	610	170	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	770	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	91		0-136
4-Terphenyl-d14	76		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/21/13 00:51		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	350		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	59.	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	59.	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	46.	1
Fluoranthene	7800	E	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	140	J	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	68	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
Benzo(a)anthracene	4500		ug/kg	110	35.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-06 Date Collected: 09/14/13 09:15

Client ID: CSO_COMP-01_0-10 Date Received: 09/14/13

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)pyrene	4300		ug/kg	140	44.	1
Benzo(b)fluoranthene	5300		ug/kg	110	36.	1
Benzo(k)fluoranthene	1600		ug/kg	110	34.	1
Chrysene	4200		ug/kg	110	35.	1
Acenaphthylene	110	J	ug/kg	140	34.	1
Anthracene	1600		ug/kg	110	30.	1
Benzo(ghi)perylene	2500		ug/kg	140	38.	1
Fluorene	350		ug/kg	180	52.	1
Phenanthrene	4300		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	760		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	2700		ug/kg	140	40.	1
Pyrene	7400	E	ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	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	170	J	ug/kg	180	60.	1
2-Methylnaphthalene	93	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	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	54.	1
2-Nitrophenol	ND		ug/kg	390	56.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	870	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	39.	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	56.	1
Carbazole	220		ug/kg	180	39.	1
Benzaldehyde	ND		ug/kg	240	73.	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	80		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	102		0-136
4-Terphenyl-d14	100		18-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06 D	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	09/16/13 20:31
Analytical Date:	09/25/13 00:06		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	9400		ug/kg	220	66.	2
Pyrene	9000		ug/kg	220	70.	2

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG636555-1					
Acenaphthene	ND		ug/kg	130	33.
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.
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.
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.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG636555-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
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.
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	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.
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	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/13 11:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 09/16/13 20:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG636555-1					
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	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	83		0-136
4-Terphenyl-d14	81		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG636555-2 WG636555-3								
Acenaphthene	87		92		31-137	6		50
1,2,4-Trichlorobenzene	72		76		38-107	5		50
Hexachlorobenzene	98		98		40-140	0		50
Bis(2-chloroethyl)ether	70		75		40-140	7		50
2-Chloronaphthalene	79		86		40-140	8		50
1,2-Dichlorobenzene	71		77		40-140	8		50
1,3-Dichlorobenzene	69		76		40-140	10		50
1,4-Dichlorobenzene	69		76		28-104	10		50
3,3'-Dichlorobenzidine	63		58		40-140	8		50
2,4-Dinitrotoluene	**109**	Q	**110**	Q	28-89	1		50
2,6-Dinitrotoluene	102		106		40-140	4		50
Fluoranthene	110		110		40-140	0		50
4-Chlorophenyl phenyl ether	92		96		40-140	4		50
4-Bromophenyl phenyl ether	99		103		40-140	4		50
Bis(2-chloroisopropyl)ether	73		78		40-140	7		50
Bis(2-chloroethoxy)methane	74		79		40-117	7		50
Hexachlorobutadiene	71		77		40-140	8		50
Hexachlorocyclopentadiene	79		82		40-140	4		50
Hexachloroethane	71		78		40-140	9		50
Isophorone	80		85		40-140	6		50
Naphthalene	74		79		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG636555-2 WG636555-3								
Nitrobenzene	78		85		40-140	9		50
NitrosoDiPhenylAmine(NDPA)/DPA	106		108			2		50
n-Nitrosodi-n-propylamine	83		89		32-121	7		50
Bis(2-Ethylhexyl)phthalate	103		105		40-140	2		50
Butyl benzyl phthalate	126		120		40-140	5		50
Di-n-butylphthalate	119		118		40-140	1		50
Di-n-octylphthalate	111		112		40-140	1		50
Diethyl phthalate	109		109		40-140	0		50
Dimethyl phthalate	99		102		40-140	3		50
Benzo(a)anthracene	106		107		40-140	1		50
Benzo(a)pyrene	104		108		40-140	4		50
Benzo(b)fluoranthene	103		101		40-140	2		50
Benzo(k)fluoranthene	96		103		40-140	7		50
Chrysene	98		101		40-140	3		50
Acenaphthylene	89		96		40-140	8		50
Anthracene	110		111		40-140	1		50
Benzo(ghi)perylene	98		103		40-140	5		50
Fluorene	96		100		40-140	4		50
Phenanthrene	100		104		40-140	4		50
Dibenzo(a,h)anthracene	101		104		40-140	3		50
Indeno(1,2,3-cd)Pyrene	106		108		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG636555-2 WG636555-3								
Pyrene	108		106		35-142	2		50
Biphenyl	77		83			8		50
4-Chloroaniline	60		55		40-140	9		50
2-Nitroaniline	102		108		47-134	6		50
3-Nitroaniline	71		64		26-129	10		50
4-Nitroaniline	108		106		41-125	2		50
Dibenzofuran	91		95		40-140	4		50
2-Methylnaphthalene	74		80		40-140	8		50
1,2,4,5-Tetrachlorobenzene	77		81		40-117	5		50
Acetophenone	77		84		14-144	9		50
2,4,6-Trichlorophenol	96		103		30-130	7		50
P-Chloro-M-Cresol	103		**110**	Q	26-103	7		50
2-Chlorophenol	78		85		25-102	9		50
2,4-Dichlorophenol	84		92		30-130	9		50
2,4-Dimethylphenol	84		90		30-130	7		50
2-Nitrophenol	80		88		30-130	10		50
4-Nitrophenol	114		112		11-114	2		50
2,4-Dinitrophenol	102		96		4-130	6		50
4,6-Dinitro-o-cresol	121		116		10-130	4		50
Pentachlorophenol	103		100		17-109	3		50
Phenol	78		83		26-90	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG636555-2 WG636555-3								
2-Methylphenol	84		90		30-130.	7		50
3-Methylphenol/4-Methylphenol	83		91		30-130	9		50
2,4,5-Trichlorophenol	96		103		30-130	7		50
Benzoic Acid	25		25			0		50
Benzyl Alcohol	83		87		40-140	5		50
Carbazole	108		108		54-128	0		50
Benzaldehyde	70		74			6		50
Caprolactam	114		116			2		50
Atrazine	120		126			5		50
2,3,4,6-Tetrachlorophenol	102		103			1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		79		25-120
Phenol-d6	75		78		10-120
Nitrobenzene-d5	77		80		23-120
2-Fluorobiphenyl	72		77		30-120
2,4,6-Tribromophenol	105		104		0-136
4-Terphenyl-d14	88		85		18-120

PETROLEUM HYDROCARBONS

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 15:53		
Analyst:	GT		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	6100		ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	98		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	D	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/16/13 12:16
Analytical Date:	09/18/13 16:46			
Analyst:	AR			
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	537000		ug/kg	175000	17100	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	67		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 16:34		
Analyst:	GT		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	5400		ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	85		70-130
4-Bromofluorobenzene	103		70-130

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	D	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 17:17			
Analyst:	AR			
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1060000		ug/kg	186000	18200	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	100		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	09/16/13 14:45
Analytical Date:	09/18/13 22:57		
Analyst:	AR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	182000		ug/kg	35100	3430	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	95		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	09/20/13 17:15		
Analyst:	GT		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	82	J	ug/kg	2800	54.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	87		70-130
4-Bromofluorobenzene	87		70-130

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/17/13 14:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 12:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 04 Batch: WG636406-1					
TPH	ND		ug/kg	32900	3220

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/18/13 11:42
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/16/13 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 05-06 Batch: WG636471-1					
TPH	ND		ug/kg	32200	3160

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		40-140

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/20/13 10:26
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 04-06 Batch: WG637313-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81		70-130
4-Bromofluorobenzene	86		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04 Batch: WG636406-2								
TPH	113		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	101				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 05-06 Batch: WG636471-2								
TPH	109		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	97				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-06 Batch: WG637313-1 WG637313-2								
Gasoline Range Organics	94		104		80-120	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	92		101		70-130
4-Bromofluorobenzene	92		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637313-5 QC Sample: L1318253-02 Client ID: MS Sample												
Gasoline Range Organics	8600	23100	30000	91		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	81				70-130
4-Bromofluorobenzene	83				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04 QC Batch ID: WG636406-3 QC Sample: L1318009-02 Client ID: DUP Sample						
TPH	653000	959000	ug/kg	38		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		90		40-140

Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 05-06 QC Batch ID: WG636471-3 QC Sample: L1318095-01 Client ID: DUP Sample						
TPH	78100	64800	ug/kg	19		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	105		105		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637313-4 QC Sample: L1318253-02 Client ID: DUP Sample						
Gasoline Range Organics	8600	13000	ug/kg	**39**	Q	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	70		80		70-130
4-Bromofluorobenzene	79		83		70-130

PCBS

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:28	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	7.24	1	A
Aroclor 1221	ND		ug/kg	36.7	11.1	1	A
Aroclor 1232	ND		ug/kg	36.7	7.79	1	A
Aroclor 1242	ND		ug/kg	36.7	6.96	1	A
Aroclor 1248	ND		ug/kg	36.7	4.44	1	A
Aroclor 1254	31.8	J	ug/kg	36.7	5.78	1	B
Aroclor 1260	49.2		ug/kg	36.7	6.36	1	B
Aroclor 1262	ND		ug/kg	36.7	2.71	1	A
Aroclor 1268	ND		ug/kg	36.7	5.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:41	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	7.43	1	A
Aroclor 1221	ND		ug/kg	37.6	11.4	1	A
Aroclor 1232	ND		ug/kg	37.6	8.00	1	A
Aroclor 1242	ND		ug/kg	37.6	7.14	1	A
Aroclor 1248	ND		ug/kg	37.6	4.55	1	A
Aroclor 1254	ND		ug/kg	37.6	5.93	1	A
Aroclor 1260	26.5	J	ug/kg	37.6	6.53	1	B
Aroclor 1262	ND		ug/kg	37.6	2.78	1	A
Aroclor 1268	ND		ug/kg	37.6	5.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	09/16/13 10:25
Analytical Date:	09/21/13 05:54	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/17/13
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.9	7.10	1	A
Aroclor 1221	ND		ug/kg	35.9	10.8	1	A
Aroclor 1232	ND		ug/kg	35.9	7.64	1	A
Aroclor 1242	ND		ug/kg	35.9	6.82	1	A
Aroclor 1248	ND		ug/kg	35.9	4.35	1	A
Aroclor 1254	ND		ug/kg	35.9	5.67	1	A
Aroclor 1260	ND		ug/kg	35.9	6.24	1	A
Aroclor 1262	ND		ug/kg	35.9	2.66	1	A
Aroclor 1268	ND		ug/kg	35.9	5.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318168

Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/13 02:36
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 09/16/13 10:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/17/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/17/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04-06 Batch: WG636368-1						
Aroclor 1016	ND		ug/kg	32.4	6.40	A
Aroclor 1221	ND		ug/kg	32.4	9.77	A
Aroclor 1232	ND		ug/kg	32.4	6.88	A
Aroclor 1242	ND		ug/kg	32.4	6.15	A
Aroclor 1248	ND		ug/kg	32.4	3.92	A
Aroclor 1254	ND		ug/kg	32.4	5.11	A
Aroclor 1260	ND		ug/kg	32.4	5.62	A
Aroclor 1262	ND		ug/kg	32.4	2.40	A
Aroclor 1268	ND		ug/kg	32.4	4.70	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG636368-2 WG636368-3									
Aroclor 1016	78		84		40-140	7		50	A
Aroclor 1260	81		88		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	87		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		81		30-150	B
Decachlorobiphenyl	100		111		30-150	B

PESTICIDES

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 21:02	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	90%		

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	107		30-150	A
DCAA	129		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	D	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:25		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/19/13
Percent Solids:	90%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.3	3.39	10	A
Lindane	ND		ug/kg	7.21	3.22	10	A
Alpha-BHC	ND		ug/kg	7.21	2.05	10	A
Beta-BHC	ND		ug/kg	17.3	6.56	10	A
Heptachlor	ND		ug/kg	8.65	3.88	10	A
Aldrin	ND		ug/kg	17.3	6.09	10	A
Heptachlor epoxide	ND		ug/kg	32.4	9.73	10	A
Endrin	ND		ug/kg	7.21	2.95	10	A
Endrin ketone	ND		ug/kg	17.3	4.45	10	A
Dieldrin	ND		ug/kg	10.8	5.40	10	A
4,4'-DDE	ND		ug/kg	17.3	4.00	10	A
4,4'-DDD	33.1		ug/kg	17.3	6.17	10	B
4,4'-DDT	20.7	J	ug/kg	32.4	13.9	10	A
Endosulfan I	ND		ug/kg	17.3	4.09	10	A
Endosulfan II	ND		ug/kg	17.3	5.78	10	A
Endosulfan sulfate	ND		ug/kg	7.21	3.29	10	A
Methoxychlor	ND		ug/kg	32.4	10.1	10	A
Toxaphene	ND		ug/kg	324	90.8	10	A
cis-Chlordane	ND		ug/kg	21.6	6.02	10	A
trans-Chlordane	ND		ug/kg	21.6	5.71	10	A
Chlordane	ND		ug/kg	140	57.3	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**233**	Q	30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 21:22	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	86%		

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	37		30-150	A
DCAA	**18**	Q	30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	D	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5		Date Received:	09/14/13
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:38		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/19/13
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.9	3.50	10	A
Lindane	ND		ug/kg	7.45	3.33	10	A
Alpha-BHC	ND		ug/kg	7.45	2.12	10	A
Beta-BHC	ND		ug/kg	17.9	6.78	10	A
Heptachlor	ND		ug/kg	8.94	4.01	10	A
Aldrin	ND		ug/kg	17.9	6.30	10	A
Heptachlor epoxide	ND		ug/kg	33.5	10.0	10	A
Endrin	ND		ug/kg	7.45	3.05	10	A
Endrin ketone	ND		ug/kg	17.9	4.60	10	A
Dieldrin	ND		ug/kg	11.2	5.59	10	A
4,4'-DDE	ND		ug/kg	17.9	4.14	10	A
4,4'-DDD	ND		ug/kg	17.9	6.38	10	A
4,4'-DDT	34.8		ug/kg	33.5	14.4	10	A
Endosulfan I	ND		ug/kg	17.9	4.22	10	A
Endosulfan II	ND		ug/kg	17.9	5.98	10	A
Endosulfan sulfate	ND		ug/kg	7.45	3.40	10	A
Methoxychlor	ND		ug/kg	33.5	10.4	10	A
Toxaphene	ND		ug/kg	335	93.9	10	A
cis-Chlordane	ND		ug/kg	22.4	6.23	10	A
trans-Chlordane	ND		ug/kg	22.4	5.90	10	A
Chlordane	ND		ug/kg	145	59.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	117		30-150	A
Decachlorobiphenyl	121		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/16/13 09:21
Analytical Date:	09/17/13 21:42	Methylation Date:	09/17/13 04:54
Analyst:	SH		
Percent Solids:	90%		

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	86		30-150	A
DCAA	67		30-150	B

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06 D	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/17/13 20:56
Analytical Date:	09/20/13 18:51	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.1	3.34	10	A
Lindane	ND		ug/kg	7.12	3.18	10	A
Alpha-BHC	ND		ug/kg	7.12	2.02	10	A
Beta-BHC	ND		ug/kg	17.1	6.48	10	A
Heptachlor	ND		ug/kg	8.54	3.83	10	A
Aldrin	ND		ug/kg	17.1	6.01	10	A
Heptachlor epoxide	ND		ug/kg	32.0	9.61	10	A
Endrin	ND		ug/kg	7.12	2.92	10	A
Endrin ketone	ND		ug/kg	17.1	4.40	10	A
Dieldrin	ND		ug/kg	10.7	5.34	10	A
4,4'-DDE	ND		ug/kg	17.1	3.95	10	A
4,4'-DDD	ND		ug/kg	17.1	6.09	10	A
4,4'-DDT	24.9	J	ug/kg	32.0	13.7	10	A
Endosulfan I	ND		ug/kg	17.1	4.03	10	A
Endosulfan II	ND		ug/kg	17.1	5.71	10	A
Endosulfan sulfate	ND		ug/kg	7.12	3.25	10	A
Methoxychlor	ND		ug/kg	32.0	9.96	10	A
Toxaphene	ND		ug/kg	320	89.6	10	A
cis-Chlordane	ND		ug/kg	21.3	5.95	10	A
trans-Chlordane	ND		ug/kg	21.3	5.64	10	A
Chlordane	ND		ug/kg	139	56.6	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	142		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	**167**	Q	30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/17/13 15:05
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/16/13 09:21

Methylation Date: 09/17/13 04:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 04-06 Batch: WG636326-1						
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	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	71		30-150	B

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 20:33
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 09/17/13 20:56
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04-06 Batch: WG636910-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.283	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.634	0.290	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.4	5.04	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	106		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318168

Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG636326-2 WG636326-3									
2,4-D	99		113		30-150	13		30	A
2,4,5-T	93		96		30-150	3		30	A
2,4,5-TP (Silvex)	89		89		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		96		30-150	A
DCAA	77		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG636910-2 WG636910-3									
Delta-BHC	82		88		30-150	7		30	A
Lindane	64		79		30-150	21		30	A
Alpha-BHC	70		75		30-150	7		30	A
Beta-BHC	70		74		30-150	6		30	A
Heptachlor	86		87		30-150	1		30	A
Aldrin	80		84		30-150	5		30	A
Heptachlor epoxide	77		82		30-150	6		30	A
Endrin	87		93		30-150	7		30	A
Endrin ketone	74		81		30-150	9		30	A
Dieldrin	81		86		30-150	6		30	A
4,4'-DDE	78		81		30-150	4		30	A
4,4'-DDD	80		86		30-150	7		30	A
4,4'-DDT	84		90		30-150	7		30	A
Endosulfan I	79		84		30-150	6		30	A
Endosulfan II	84		89		30-150	6		30	A
Endosulfan sulfate	81		88		30-150	8		30	A
Methoxychlor	69		75		30-150	8		30	A
cis-Chlordane	76		81		30-150	6		30	A
trans-Chlordane	77		81		30-150	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-06 Batch: WG636910-2 WG636910-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		87		30-150	A
Decachlorobiphenyl	78		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		58		30-150	B
Decachlorobiphenyl	115		86		30-150	B

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Barium, TCLP	0.41	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Lead, TCLP	0.27	J	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:04	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 13:53	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-04
Client ID: G2_COMP-04_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/14/13 08:15
Date Received: 09/14/13
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	7200		mg/kg	8.7	1.7	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.4	0.70	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Barium, Total	280		mg/kg	0.87	0.26	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Beryllium, Total	1.5		mg/kg	0.44	0.09	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Cadmium, Total	1.4		mg/kg	0.87	0.06	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Calcium, Total	46000		mg/kg	8.7	2.6	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Chromium, Total	33		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Cobalt, Total	14		mg/kg	1.7	0.44	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Copper, Total	270		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Iron, Total	21000		mg/kg	4.4	1.7	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Lead, Total	440		mg/kg	4.4	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Magnesium, Total	12000		mg/kg	8.7	0.87	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Manganese, Total	320		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Mercury, Total	0.59		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:39	EPA 7471B	1,7471B	MC
Nickel, Total	32		mg/kg	2.2	0.35	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Potassium, Total	850		mg/kg	220	35.	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Selenium, Total	1.3	J	mg/kg	1.7	0.26	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.87	0.17	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Sodium, Total	330		mg/kg	170	26.	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.35	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Vanadium, Total	21		mg/kg	0.87	0.09	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT
Zinc, Total	1400		mg/kg	4.4	0.61	2	09/19/13 11:28	09/19/13 20:24	EPA 3050B	1,6010C	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	09/18/13 16:44
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Barium, TCLP	0.44	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Lead, TCLP	0.06	J	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:06	EPA 7470A	1,7470A	JH
Selenium, TCLP	0.03	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 14:47	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318168
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-05
Client ID: G2_COMP-05_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 86%

Date Collected: 09/14/13 08:55
Date Received: 09/14/13
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	6800		mg/kg	9.0	1.8	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.5	0.72	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Arsenic, Total	9.4		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Barium, Total	190		mg/kg	0.90	0.27	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Beryllium, Total	0.98		mg/kg	0.45	0.09	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.90	0.06	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Calcium, Total	23000		mg/kg	9.0	2.7	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Chromium, Total	22		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Cobalt, Total	14		mg/kg	1.8	0.45	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Copper, Total	320		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Iron, Total	20000		mg/kg	4.5	1.8	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Lead, Total	220		mg/kg	4.5	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Magnesium, Total	5200		mg/kg	9.0	0.90	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Manganese, Total	350		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Mercury, Total	0.31		mg/kg	0.09	0.02	1	09/21/13 12:30	09/23/13 10:41	EPA 7471B	1,7471B	MC
Nickel, Total	28		mg/kg	2.2	0.36	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Potassium, Total	1200		mg/kg	220	36.	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Selenium, Total	0.44	J	mg/kg	1.8	0.27	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.90	0.18	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Sodium, Total	330		mg/kg	180	27.	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Vanadium, Total	26		mg/kg	0.90	0.09	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT
Zinc, Total	920		mg/kg	4.5	0.63	2	09/19/13 11:28	09/19/13 20:28	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318168
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-06
Client ID: CSO_COMP-01_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/14/13 09:15
Date Received: 09/14/13
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Barium, TCLP	0.50		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Lead, TCLP	0.13	J	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 13:07	EPA 7470A	1,7470A	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT
Silver, TCLP	ND		mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 14:51	EPA 3015	1,6010C	TT

Project Name: GREENPOINT LANDING
Lab Number: L1318168
Project Number: 170229002
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-06
Client ID: CSO_COMP-01_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 09/14/13 09:15
Date Received: 09/14/13
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	7100		mg/kg	8.6	1.7	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.3	0.69	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Arsenic, Total	4.8		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Barium, Total	110		mg/kg	0.86	0.26	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Beryllium, Total	0.34	J	mg/kg	0.43	0.09	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Cadmium, Total	0.60	J	mg/kg	0.86	0.06	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Calcium, Total	4700		mg/kg	8.6	2.6	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Cobalt, Total	6.8		mg/kg	1.7	0.43	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Copper, Total	42		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Iron, Total	15000		mg/kg	4.3	1.7	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Lead, Total	160		mg/kg	4.3	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Magnesium, Total	2800		mg/kg	8.6	0.86	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Manganese, Total	280		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Mercury, Total	0.36		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 10:42	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.1	0.34	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Potassium, Total	1000		mg/kg	210	34.	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.26	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.86	0.17	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Sodium, Total	78	J	mg/kg	170	26.	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Vanadium, Total	19		mg/kg	0.86	0.09	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT
Zinc, Total	360		mg/kg	4.3	0.60	2	09/19/13 11:28	09/19/13 20:47	EPA 3050B	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

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): 04-06 Batch: WG637410-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Calcium, Total	4.2		mg/kg	4.0	1.2	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	09/19/13 11:28	09/19/13 16:02	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 04-06 Batch: WG637446-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Chromium, TCLP	ND		mg/l	0.20	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

Method Blank Analysis
Batch Quality Control

Lead, TCLP	ND	mg/l	0.50	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Selenium, TCLP	ND	mg/l	0.50	0.03	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT
Silver, TCLP	ND	mg/l	0.10	0.02	1	09/19/13 13:05	09/20/13 11:07	1,6010C	TT

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 09/18/13 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-06 Batch: WG637778-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	09/21/13 12:30	09/23/13 09:53	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 04-06 Batch: WG638031-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	09/21/13 10:30	09/23/13 12:32	1,7470A	JH

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 09/18/13 16:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 Batch: WG637410-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	85		-		29-171	-		
Antimony, Total	122		-		4-196	-		
Arsenic, Total	104		-		81-119	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Calcium, Total	90		-		83-117	-		
Chromium, Total	92		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	94		-		51-150	-		
Lead, Total	96		-		80-120	-		
Magnesium, Total	78		-		74-126	-		
Manganese, Total	97		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Potassium, Total	99		-		74-126	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	105		-		66-134	-		
Sodium, Total	106		-		74-127	-		
Thallium, Total	96		-		79-120	-		
Vanadium, Total	89		-		79-121	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 Batch: WG637410-2 SRM Lot Number: 0518-10-02					
Zinc, Total	94	-	82-119	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 Batch: WG637446-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	105	-	75-125	-	20
Lead, TCLP	100	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	104	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 04-06 Batch: WG637778-2 SRM Lot Number: 0518-10-02					
Mercury, Total	105	-	67-133	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 Batch: WG638031-2					
Mercury, TCLP	111	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

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): 04-06 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample												
Aluminum, Total	1500	194	2700	**618**	Q	-	-		75-125	-		35
Antimony, Total	4.4J	48.5	52	107		-	-		75-125	-		35
Arsenic, Total	12.	11.6	23	86		-	-		75-125	-		35
Barium, Total	360	194	670	**154**	Q	-	-		75-125	-		35
Beryllium, Total	0.22J	4.85	5.1	105		-	-		75-125	-		35
Cadmium, Total	4.5	4.95	7.1	**50**	Q	-	-		75-125	-		35
Calcium, Total	620	971	4700	**419**	Q	-	-		75-125	-		35
Chromium, Total	14.	19.4	27	**62**	Q	-	-		75-125	-		35
Cobalt, Total	3.4	48.5	49	94		-	-		75-125	-		35
Copper, Total	130	24.3	120	**0**	Q	-	-		75-125	-		35
Iron, Total	5800	97.1	5200	**0**	Q	-	-		75-125	-		35
Lead, Total	420	49.5	280	**0**	Q	-	-		75-125	-		35
Magnesium, Total	290	971	1200	93		-	-		75-125	-		35
Manganese, Total	56.	48.5	110	107		-	-		75-125	-		35
Nickel, Total	15.	48.5	56	84		-	-		75-125	-		35
Potassium, Total	220J	971	1300	**134**	Q	-	-		75-125	-		35
Selenium, Total	6.1	11.6	16	84		-	-		75-125	-		35
Silver, Total	0.26J	29.1	28	96		-	-		75-125	-		35
Sodium, Total	120J	971	1200	124		-	-		75-125	-		35
Thallium, Total	ND	11.6	10	86		-	-		75-125	-		35
Vanadium, Total	8.1	48.5	54	94		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

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): 04-06 QC Batch ID: WG637410-4 QC Sample: L1318142-43 Client ID: MS Sample										
Zinc, Total	1800	48.5	960	**0**	Q	-	-	75-125	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637446-4 QC Sample: L1318167-01 Client ID: MS Sample										
Arsenic, TCLP	0.03J	1.2	1.3	108		-	-	75-125	-	20
Barium, TCLP	0.59	20	21	102		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.54	106		-	-	75-125	-	20
Chromium, TCLP	ND	2	2.1	105		-	-	75-125	-	20
Lead, TCLP	0.62	5.1	5.7	100		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.4	117		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.52	104		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637778-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, Total	0.72	0.192	0.77	**26**	Q	-	-	70-130	-	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG638031-4 QC Sample: L1318158-03 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0263	105		-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample						
Aluminum, Total	1500	1400	mg/kg	7		35
Antimony, Total	4.4J	4.0J	mg/kg	NC		35
Arsenic, Total	12.	15	mg/kg	14		35
Barium, Total	360	380	mg/kg	3		35
Beryllium, Total	0.22J	0.25J	mg/kg	NC		35
Cadmium, Total	4.5	3.0	mg/kg	**42**	Q	35
Calcium, Total	620	570	mg/kg	10		35
Chromium, Total	14.	14	mg/kg	7		35
Cobalt, Total	3.4	3.2	mg/kg	6		35
Copper, Total	130	140	mg/kg	0		35
Iron, Total	5800	5200	mg/kg	13		35
Lead, Total	420	370	mg/kg	15		35
Magnesium, Total	290	320	mg/kg	6		35
Manganese, Total	56.	57	mg/kg	2		35
Nickel, Total	15.	14	mg/kg	7		35
Potassium, Total	220J	210J	mg/kg	NC		35
Selenium, Total	6.1	5.1	mg/kg	19		35
Silver, Total	0.26J	0.29J	mg/kg	NC		35
Sodium, Total	120J	150J	mg/kg	NC		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637410-3 QC Sample: L1318142-43 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	8.1	9.8	mg/kg	17	35
Zinc, Total	1800	1300	mg/kg	32	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637446-3 QC Sample: L1318167-01 Client ID: DUP Sample					
Arsenic, TCLP	0.03J	0.05J	mg/l	NC	20
Barium, TCLP	0.59	0.57	mg/l	3	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.62	0.60	mg/l	3	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637778-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, Total	0.72	0.69	mg/kg	4	35
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG638031-3 QC Sample: L1318158-03 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-04	Date Collected:	09/14/13 08:15
Client ID:	G2_COMP-04_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-05	Date Collected:	09/14/13 08:55
Client ID:	G2_COMP-05_0-5	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

SAMPLE RESULTS

Lab ID:	L1318168-06	Date Collected:	09/14/13 09:15
Client ID:	CSO_COMP-01_0-10	Date Received:	09/14/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/19/13 08:33	1,1030	DM

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-01
Client ID: G2_SB-04C_0-0.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 08:15
Date Received: 09/14/13
Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-02
Client ID: G2_SB-05B_2.5-3
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 08:43
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-03
Client ID: CSO_SB-01A_0-0.5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 09:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-04
Client ID: G2_COMP-04_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 08:15
Date Received: 09/14/13
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	33		mg/kg	0.89	0.89	1	-	09/23/13 11:29	107,-	JO
Solids, Total	89.7		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	09/18/13 10:00	09/18/13 15:24	1,9010C/9012A	JO
pH (H)	9.1		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.89	0.20	1	09/16/13 17:50	09/17/13 22:40	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-05
Client ID: G2_COMP-05_0-5
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 08:55
Date Received: 09/14/13
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	22		mg/kg	0.93	0.93	1	-	09/23/13 11:29	107,-	JO
Solids, Total	86.2		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 10:00	09/18/13 15:26	1,9010C/9012A	JO
pH (H)	8.3		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	ND		mg/kg	0.93	0.21	1	09/16/13 17:50	09/17/13 22:43	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

SAMPLE RESULTS

Lab ID: L1318168-06
Client ID: CSO_COMP-01_0-10
Sample Location: BROOKLYN, NY
Matrix: Soil

Date Collected: 09/14/13 09:15
Date Received: 09/14/13
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	0.89	0.89	1	-	09/23/13 11:29	107,-	JO
Solids, Total	89.8		%	0.100	NA	1	-	09/17/13 22:44	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	09/18/13 10:00	09/18/13 15:27	1,9010C/9012A	JO
pH (H)	9.0		SU	-	NA	1	-	09/14/13 21:00	1,9045D	EL
Chromium, Hexavalent	0.23	J	mg/kg	0.89	0.20	1	09/16/13 17:50	09/17/13 22:44	1,7196A	TA
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:49	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:41	1,7.3	TL

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

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): 04-06 Batch: WG636545-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	09/16/13 17:50	09/17/13 22:28	1,7196A	TA
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG637047-1										
Cyanide, Total	ND		mg/kg	0.91	0.21	1	09/18/13 10:00	09/18/13 14:57	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG637207-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:46	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG637208-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/18/13 19:30	09/18/13 20:37	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG636188-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG636545-2								
Chromium, Hexavalent	89		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG637047-2 WG637047-3								
Cyanide, Total	103		104		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG637207-2								
Cyanide, Reactive	36		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG637208-2								
Sulfide, Reactive	117		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318168
Report Date: 09/25/13

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): 04-06 QC Batch ID: WG636545-5 WG636545-8 QC Sample: L1318168-04 Client ID: G2_COMP-04_0-5												
Chromium, Hexavalent	ND	1370	820	**60**	Q	860	**64**	Q	75-125	5		20
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637047-4 WG637047-5 QC Sample: L1318168-04 Client ID: G2_COMP-04_0-5												
Cyanide, Total	ND	10	10	98		9.9	95		65-135	1		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG636188-2 QC Sample: L1318166-02 Client ID: DUP Sample						
pH	10.	10.0	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG636545-4 QC Sample: L1318168-04 Client ID: G2_COMP-04_0-5						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG636931-1 QC Sample: L1318141-01 Client ID: DUP Sample						
Solids, Total	89.9	91.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637207-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG637208-3 QC Sample: L1318181-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/14/2013 19:31

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-01A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-01B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-01C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-01D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1318168-01X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-01Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-01Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-02A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-02B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-02C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-02D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1318168-02X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-02Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-02Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-03A	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-03B	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-03C	5 gram Encore Sampler	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(2)
L1318168-03D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1318168-03X	Vial MeOH preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-03Y	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-03Z	Vial Water preserved split	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1318168-04A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-04B	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-04C	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-04X	Plastic 250ml HNO3 preserved spl	A	<2	2.8	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318168-05A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-05B	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-05C	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-05X	Plastic 250ml HNO3 preserved spl	A	<2	2.8	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1318168-06A	Vial Large Septa unpreserved	A	N/A	2.8	Y	Absent	TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-06B	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-06C	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-06D	Amber 500ml unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(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),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),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),REACTCN(14),TPH-DRO-D(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1318168-06X	Plastic 250ml HNO3 preserved spl	A	<2	2.8	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318168
Report Date: 09/25/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318168-07A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1318168-07B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)

Container Comments

L1318168-05C

L1318168-06B

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING **Lab Number:** L1318168

Project Number: 170229002 **Report Date:** 09/25/13

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

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.

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.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318168
Project Number:	170229002	**Report Date:**	09/25/13

Data Qualifiers

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:** L1318168
Project Number: 170229002 **Report Date:** 09/25/13

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.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

revised 9/24/13 CW

Serial No:09251312:00

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L4318168

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, P.P.C

Address: 360 W 31st St, 8th Fl. New York, NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

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 #: 20139603

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 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	6 NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide category A data deliverables; 3) provide NYSDEC EDD.

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	VOC	TAL Metals, Total CN, Hex Chromium, TCLP RCRA 8 Metals	TS	SVOC, PCB, Pest Herb, 1,4-Dioxane	TPH	VOC							Sample Specific Comments	Total # Bottles
1	G2_SB-04C_0-0.5	9/14/13	8:15	SO	NB	X		X	X										4
2	G2_SB-05B_2.5-3	9/14/13	8:43	SO	NB	X		X	X										4
3	CSO_SB-01A_0-0.5	9/14/13	9:00	SO	NB	X		X	X										4
4	G2_COMP-04_0-5	9/14/13	8:15	SO	NB		X			X	X								3
5	G2_COMP-05_0-5	9/14/13	8:55	SO	NB		X			X	X								3
6	CSO_COMP-01_0-10	9/14/13	9:15	SO	NB		X			X	X								3
7	TRIP BLANK_091413	9/14/13	13:30	AQ	NB							X						TB03_091413	2
	Container Type					E	A		P	A	A	A							
	Preservative					A	A		A	A	A	B							

Relinquished By:	Date/Time	Received By:	Date/Time
Gregory Klyke	9/14/13 13:31	Abdul Mahubey	9/14/13 13:3
Abdul Mahubey	9/14/13 1735	[illegible]	9/14/13 1735

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)

CHAIN OF CUSTODY

PAGE 1 OF 1

Serial No:09251312:00

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L43181168

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: 360 W 31st St, 8th Fl.
New York, NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
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 #: 20139163

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/23/13 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	6 NYCRR 375 Unrestricted use SCOs

Other Project Specific Requirements/Comments/Detection Limits:
1) Report TCL and Part 375 parameters; 2) provide category A data deliverables; 3) provide NYSDEC EDD.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	TAL Metals, Total CN, Hex Chromium, TCLP RCRA 8 Metals	PCB Aroclors	TS	SVOC PCB Pest Herb	TPH	TPH GRO	VOC	Sample Specific Comments	Total # Bottles
181168.1	G2_SB-04C_0-0.5	9/14/13	8:15	SO	NB	X		X	X						4
2	G2_SB-05B_2.5-3	9/14/13	8:43	SO	NB	X		X	X						4
3	CSO_SB-01A_0-0.5	9/14/13	9:00	SO	NB	X		X	X						4
4	G2_COMP-04_0-5	9/14/13	8:15	SO	NB		X			X	X				3
5	G2_COMP-05_0-5	9/14/13	8:55	SO	NB		X			X	X				3
6	CSO_COMP-01_0-10	9/14/13	9:15	SO	NB		X			X	X				3
7	TRIP BLANK_091413	9/14/13	13:30	AQ	NB							X			2
Container Type						E	A		P	A	A	A			
Preservative						A	A		A	A	A	B			

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Relinquished By:	Date/Time	Received By:	Date/Time
Gregory Klyke	9/14/13 13:31	Abdul Mahubey	9/14/13 13:3
Abdul Mahubey	9/14/13 1735	[illegible]	9/14/13 1735

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)

ATTACHMENT E

LABORATORY ANALYTICAL DATA REPORTS (GROUNDWATER)

ANALYTICAL REPORT

Lab Number:	L1318577
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:	09/30/13

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: L1318577
Report Date: 09/30/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318577-01	MW3_091913	BROOKLYN, NY	09/19/13 11:00
L1318577-02	GB12OW_091913	BROOKLYN, NY	09/19/13 13:15

Project Name: GREENPOINT LANDING **Lab Number:** L1318577
Project Number: 170229002 **Report Date:** 09/30/13

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 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.

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

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

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.

PCBs

The surrogate recovery for the WG638429-1 Method Blank is below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (27%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were 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: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/30/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-01	Date Collected:	09/19/13 11:00
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	09/21/13 00:40		
Analyst:	TR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene	ND		ug/l	2.0	0.66	1
o-Xylene	ND		ug/l	1.0	0.30	1
Xylene (Total)	ND		ug/l	2.0	0.66	1
Methyl tert butyl ether	7.1	J	ug/l	10	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	102		80-120
Fluorobenzene	104		80-120
4-Bromofluorobenzene	95		80-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-02	Date Collected:	09/19/13 13:15
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	09/21/13 01:15		
Analyst:	TR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85	1
p/m-Xylene	ND		ug/l	2.0	0.66	1
o-Xylene	ND		ug/l	1.0	0.30	1
Xylene (Total)	ND		ug/l	2.0	0.66	1
Methyl tert butyl ether	1.2	J	ug/l	10	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	105		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	94		80-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 09/20/13 20:01
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638289-2					
Methylene chloride	ND		ug/l	5.0	0.65
1,1-Dichloroethane	ND		ug/l	1.5	0.31
Chloroform	ND		ug/l	1.5	0.29
Carbon tetrachloride	ND		ug/l	1.0	0.33
1,2-Dichloropropane	ND		ug/l	3.5	0.28
Dibromochloromethane	ND		ug/l	1.0	0.33
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.62
Tetrachloroethene	ND		ug/l	1.5	0.38
Chlorobenzene	ND		ug/l	3.5	0.32
Trichlorofluoromethane	ND		ug/l	5.0	0.33
1,2-Dichloroethane	ND		ug/l	1.5	0.36
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30
Bromodichloromethane	ND		ug/l	1.0	0.30
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32
Bromoform	ND		ug/l	1.0	0.32
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35
Benzene	ND		ug/l	1.0	0.31
Toluene	ND		ug/l	1.0	0.35
Ethylbenzene	ND		ug/l	1.0	0.33
Chloromethane	ND		ug/l	5.0	0.89
Bromomethane	3.2	J	ug/l	5.0	1.3
Vinyl chloride	ND		ug/l	2.0	0.30
Chloroethane	ND		ug/l	2.0	0.31
1,1-Dichloroethene	ND		ug/l	1.0	0.28
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33
Trichloroethene	ND		ug/l	1.0	0.33
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 09/20/13 20:01
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638289-2					
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85
p/m-Xylene[1]	ND		ug/l	2.0	0.66
o-Xylene[1]	ND		ug/l	1.0	0.30
Xylene (Total)[1]	ND		ug/l	2.0	0.66
Styrene[1]	ND		ug/l	1.0	0.30
Acetone[1]	ND		ug/l	10	1.8
Carbon disulfide[1]	ND		ug/l	5.0	0.90
2-Butanone[1]	ND		ug/l	10	2.2
Vinyl acetate[1]	ND		ug/l	10	2.9
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4
2-Hexanone[1]	ND		ug/l	10	2.5
Acrolein[1]	ND		ug/l	8.0	1.9
Acrylonitrile[1]	ND		ug/l	10	1.9
Methyl tert butyl ether[1]	ND		ug/l	10	0.58
Dibromomethane[1]	ND		ug/l	1.0	1.0
1,4-Dioxane[1]	ND		ug/l	2000	490
tert-Butyl Alcohol[1]	ND		ug/l	100	6.0
Tertiary-Amyl Methyl Ether[1]	ND		ug/l	20	0.26

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	105		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	92		80-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Methylene chloride	110		-		70-111	-		30
1,1-Dichloroethane	107		-		78-116	-		30
Chloroform	107		-		86-111	-		30
Carbon tetrachloride	103		-		60-112	-		30
1,2-Dichloropropane	108		-		83-113	-		30
Dibromochloromethane	106		-		58-129	-		30
1,1,2-Trichloroethane	112		-		80-118	-		30
2-Chloroethylvinyl ether	**128**	Q	-		69-124	-		30
Tetrachloroethene	103		-		80-126	-		30
Chlorobenzene	94		-		80-126	-		30
Trichlorofluoromethane	101		-		83-128	-		30
1,2-Dichloroethane	**112**	Q	-		82-110	-		30
1,1,1-Trichloroethane	105		-		72-109	-		30
Bromodichloromethane	104		-		71-120	-		30
trans-1,3-Dichloropropene	**107**	Q	-		73-106	-		30
cis-1,3-Dichloropropene	104		-		78-111	-		30
Bromoform	98		-		45-131	-		30
1,1,2,2-Tetrachloroethane	110		-		81-122	-		30
Benzene	108		-		84-116	-		30
Toluene	106		-		83-121	-		30
Ethylbenzene	96		-		84-123	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Chloromethane	101		-		70-144	-		30
Bromomethane	86		-		63-141	-		30
Vinyl chloride	95		-		56-118	-		30
Chloroethane	98		-		74-130	-		30
1,1-Dichloroethene	101		-		77-116	-		30
trans-1,2-Dichloroethene	105		-		81-121	-		30
cis-1,2-Dichloroethene[1]	107		-		85-110	-		30
Trichloroethene	106		-		84-118	-		30
1,2-Dichlorobenzene	100		-		78-128	-		30
1,3-Dichlorobenzene	97		-		77-125	-		30
1,4-Dichlorobenzene	99		-		77-125	-		30
p/m-Xylene[1]	99		-		81-121	-		30
o-Xylene[1]	98		-		81-124	-		30
Xylene (Total)[1]	98		-		81-122	-		30
Styrene[1]	100		-		84-133	-		30
Acetone[1]	138		-		40-160	-		30
Carbon disulfide[1]	99		-		54-134	-		30
2-Butanone[1]	**141**	Q	-		57-116	-		30
Vinyl acetate[1]	125		-		40-160	-		30
4-Methyl-2-pentanone[1]	**139**	Q	-		79-125	-		30
2-Hexanone[1]	**143**	Q	-		78-120	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Acrolein[1]	124		-		40-160	-		30
Acrylonitrile[1]	**130**	Q	-		66-123	-		30
Methyl tert butyl ether[1]	117		-		57-126	-		30
Dibromomethane[1]	107		-		65-126	-		30
1,4-Dioxane[1]	**153**	Q	-		74-121	-		30
tert-Butyl Alcohol[1]	**181**	Q	-		52-114	-		30
Tertiary-Amyl Methyl Ether[1]	**122**	Q	-		66-111	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	107				80-120
Fluorobenzene	104				80-120
4-Bromofluorobenzene	91				80-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

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): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Methylene chloride	ND	200	230	**117**	Q	-	-		70-111	-		30
1,1-Dichloroethane	ND	200	230	116		-	-		78-116	-		30
Chloroform	ND	200	230	**117**	Q	-	-		86-111	-		30
Carbon tetrachloride	ND	200	240	**121**	Q	-	-		60-112	-		30
1,2-Dichloropropane	ND	200	230	**114**	Q	-	-		83-113	-		30
Dibromochloromethane	ND	200	220	109		-	-		58-129	-		30
1,1,2-Trichloroethane	ND	200	230	115		-	-		80-118	-		30
2-Chloroethylvinyl ether	ND	200	260	**130**	Q	-	-		69-124	-		30
Tetrachloroethene	ND	200	230	114		-	-		80-126	-		30
Chlorobenzene	ND	200	210	106		-	-		80-126	-		30
Trichlorofluoromethane	ND	200	230	115		-	-		83-128	-		30
1,2-Dichloroethane	ND	200	230	**116**	Q	-	-		82-110	-		30
1,1,1-Trichloroethane	ND	200	240	**118**	Q	-	-		72-109	-		30
Bromodichloromethane	ND	200	220	112		-	-		71-120	-		30
trans-1,3-Dichloropropene	ND	200	180	92		-	-		73-106	-		30
cis-1,3-Dichloropropene	ND	200	160	82		-	-		78-111	-		30
Bromoform	ND	200	200	100		-	-		45-131	-		30
1,1,2,2-Tetrachloroethane	ND	200	220	109		-	-		81-122	-		30
Benzene	ND	200	230	**117**	Q	-	-		84-116	-		30
Toluene	ND	200	230	116		-	-		83-121	-		30
Ethylbenzene	ND	200	220	112		-	-		84-123	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

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): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Chloromethane	ND	200	190	94		-	-		70-144	-		30
Bromomethane	ND	200	94	**47**	Q	-	-		63-141	-		30
Vinyl chloride	ND	200	220	111		-	-		56-118	-		30
Chloroethane	ND	200	230	114		-	-		74-130	-		30
1,1-Dichloroethene	ND	200	230	**117**	Q	-	-		77-116	-		30
trans-1,2-Dichloroethene	ND	200	230	116		-	-		81-121	-		30
cis-1,2-Dichloroethene[1]	ND	200	220	**111**	Q	-	-		85-110	-		30
Trichloroethene	ND	200	230	117		-	-		84-118	-		30
1,2-Dichlorobenzene	ND	200	210	105		-	-		78-128	-		30
1,3-Dichlorobenzene	ND	200	210	104		-	-		77-125	-		30
1,4-Dichlorobenzene	ND	200	210	106		-	-		77-125	-		30
p/m-Xylene[1]	ND	400	430	108		-	-		81-121	-		30
o-Xylene[1]	ND	200	210	106		-	-		81-124	-		30
Xylene (Total)[1]	ND	600	640	107		-	-		81-122	-		30
Styrene[1]	ND	200	210	107		-	-		84-133	-		30
Acetone[1]	ND	500	600	120		-	-		40-160	-		30
Carbon disulfide[1]	ND	200	200	103		-	-		54-134	-		30
2-Butanone[1]	ND	500	600	**120**	Q	-	-		57-116	-		30
Vinyl acetate[1]	ND	400	400	101		-	-		40-160	-		30
4-Methyl-2-pentanone[1]	ND	500	610	122		-	-		79-125	-		30
2-Hexanone[1]	ND	500	590	118		-	-		78-120	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

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): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Acrolein[1]	ND	400	410	103		-	-		40-160	-		30
Acrylonitrile[1]	ND	400	470	117		-	-		66-123	-		30
Dibromomethane[1]	ND	200	210	106		-	-		65-126	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	96				80-120
Fluorobenzene	106				80-120
Pentafluorobenzene	106				80-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample						
Methylene chloride	ND	ND	ug/l	NC		30
1,1-Dichloroethane	ND	ND	ug/l	NC		30
Chloroform	ND	ND	ug/l	NC		30
Carbon tetrachloride	ND	ND	ug/l	NC		30
1,2-Dichloropropane	ND	ND	ug/l	NC		30
Dibromochloromethane	ND	ND	ug/l	NC		30
1,1,2-Trichloroethane	ND	ND	ug/l	NC		30
2-Chloroethylvinyl ether	ND	ND	ug/l	NC		30
Tetrachloroethene	ND	ND	ug/l	NC		30
Chlorobenzene	ND	ND	ug/l	NC		30
Trichlorofluoromethane	ND	ND	ug/l	NC		30
1,2-Dichloroethane	ND	ND	ug/l	NC		30
1,1,1-Trichloroethane	ND	ND	ug/l	NC		30
Bromodichloromethane	ND	ND	ug/l	NC		30
trans-1,3-Dichloropropene	ND	ND	ug/l	NC		30
cis-1,3-Dichloropropene	ND	ND	ug/l	NC		30
Bromoform	ND	ND	ug/l	NC		30
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC		30
Benzene	ND	ND	ug/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample					
Toluene	ND	ND	ug/l	NC	30
Ethylbenzene	ND	ND	ug/l	NC	30
Chloromethane	ND	ND	ug/l	NC	30
Bromomethane	ND	ND	ug/l	NC	30
Vinyl chloride	ND	ND	ug/l	NC	30
Chloroethane	ND	ND	ug/l	NC	30
1,1-Dichloroethene	ND	ND	ug/l	NC	30
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	30
cis-1,2-Dichloroethene[1]	ND	ND	ug/l	NC	30
Trichloroethene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
1,3-Dichlorobenzene	ND	ND	ug/l	NC	30
1,4-Dichlorobenzene	ND	ND	ug/l	NC	30
p/m-Xylene[1]	ND	ND	ug/l	NC	30
o-Xylene[1]	ND	ND	ug/l	NC	30
Xylene (Total)[1]	ND	ND	ug/l	NC	30
Styrene[1]	ND	ND	ug/l	NC	30
Acetone[1]	ND	ND	ug/l	NC	30
Carbon disulfide[1]	ND	ND	ug/l	NC	30

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample					
2-Butanone[1]	ND	ND	ug/l	NC	30
Vinyl acetate[1]	ND	ND	ug/l	NC	30
4-Methyl-2-pentanone[1]	ND	ND	ug/l	NC	30
2-Hexanone[1]	ND	ND	ug/l	NC	30
Acrolein[1]	ND	ND	ug/l	NC	30
Acrylonitrile[1]	ND	ND	ug/l	NC	30
Dibromomethane[1]	ND	ND	ug/l	NC	30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	103		105		80-120
Fluorobenzene	106		105		80-120
4-Bromofluorobenzene	95		97		80-120

SEMIVOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-01	Date Collected:	09/19/13 11:00
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 625
Analytical Method:	5,625	Extraction Date:	09/24/13 07:18
Analytical Date:	09/28/13 05:14		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	5.0	1.6	1
Phenol	ND		ug/l	7.0	0.90	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	62		43-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	78		33-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-02	Date Collected:	09/19/13 13:15
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 625
Analytical Method:	5,625	Extraction Date:	09/24/13 07:18
Analytical Date:	09/29/13 13:43		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.7	1
Naphthalene	ND		ug/l	5.0	1.6	1
Phenol	ND		ug/l	7.0	0.90	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	74		43-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	90		33-120

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,625
Analytical Date: 09/28/13 03:02
Analyst: PS

Extraction Method: EPA 625
Extraction Date: 09/24/13 07:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638427-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.7
Naphthalene	ND		ug/l	5.0	1.6
Phenol	ND		ug/l	7.0	0.90

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	57		43-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	84		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638427-2								
1,2,4-Trichlorobenzene	51		-		39-98	-		30
Phenol	23		-		12-110	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	35				21-120
Phenol-d6	23				10-120
Nitrobenzene-d5	72				23-120
2-Fluorobiphenyl	78				43-120
2,4,6-Tribromophenol	81				10-120
4-Terphenyl-d14	93				33-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

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): 01-02 QC Batch ID: WG638427-3 QC Sample: L1318577-01 Client ID: MW3_091913												
1,2,4-Trichlorobenzene	ND	40	22	55		-	-		39-98	-		30
Phenol	ND	40	8.7	22		-	-		12-110	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	79				10-120
2-Fluorobiphenyl	80				43-120
2-Fluorophenol	33				21-120
4-Terphenyl-d14	89				33-120
Nitrobenzene-d5	69				23-120
Phenol-d6	21				10-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638427-4 QC Sample: L1318577-02 Client ID: GB12OW_091913						
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC		30
Naphthalene	ND	ND	ug/l	NC		30
Phenol	ND	ND	ug/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		31		21-120
Phenol-d6	21		18		10-120
Nitrobenzene-d5	79		68		23-120
2-Fluorobiphenyl	74		63		43-120
2,4,6-Tribromophenol	84		74		10-120
4-Terphenyl-d14	90		85		33-120

PCBS

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-01	Date Collected:	09/19/13 11:00
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 608
Analytical Method:	5,608	Extraction Date:	09/24/13 07:14
Analytical Date:	09/25/13 07:43	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/24/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	0.021	1	A
Aroclor 1221	ND		ug/l	0.050	0.028	1	A
Aroclor 1232	ND		ug/l	0.050	0.012	1	A
Aroclor 1242	ND		ug/l	0.050	0.014	1	A
Aroclor 1248	ND		ug/l	0.050	0.014	1	A
Aroclor 1254	ND		ug/l	0.050	0.022	1	A
Aroclor 1260	ND		ug/l	0.050	0.023	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	63		30-150	A

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-02	Date Collected:	09/19/13 13:15
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 608
Analytical Method:	5,608	Extraction Date:	09/24/13 07:14
Analytical Date:	09/25/13 07:56	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	09/24/13
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	09/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	0.021	1	A
Aroclor 1221	ND		ug/l	0.050	0.028	1	A
Aroclor 1232	ND		ug/l	0.050	0.012	1	A
Aroclor 1242	ND		ug/l	0.050	0.014	1	A
Aroclor 1248	ND		ug/l	0.050	0.014	1	A
Aroclor 1254	ND		ug/l	0.050	0.022	1	A
Aroclor 1260	ND		ug/l	0.050	0.023	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	78		30-150	A

Project Name: GREENPOINT LANDING

Project Number: 170229002

Lab Number: L1318577

Report Date: 09/30/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,608
Analytical Date: 09/25/13 08:36
Analyst: KB

Extraction Method: EPA 608
Extraction Date: 09/24/13 07:14
Cleanup Method1: EPA 3665A
Cleanup Date1: 09/24/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 09/24/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG638429-1						
Aroclor 1016	ND		ug/l	0.050	0.021	A
Aroclor 1221	ND		ug/l	0.050	0.028	A
Aroclor 1232	ND		ug/l	0.050	0.012	A
Aroclor 1242	ND		ug/l	0.050	0.014	A
Aroclor 1248	ND		ug/l	0.050	0.014	A
Aroclor 1254	ND		ug/l	0.050	0.022	A
Aroclor 1260	ND		ug/l	0.050	0.023	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**27**	Q	30-150	A
Decachlorobiphenyl	73		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

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): 01-02 QC Batch ID: WG638429-3 QC Sample: L1318577-01 Client ID: MW3_091913													
Aroclor 1016	ND	0.5	0.369	74		-	-		40-126	-		30	A
Aroclor 1260	ND	0.5	0.266	53		-	-		40-127	-		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47				30-150	A
Decachlorobiphenyl	76				30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG638429-2									
Aroclor 1016	53		-		40-126	-		30	A
Aroclor 1260	69		-		40-127	-		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**26**	Q			30-150	A
Decachlorobiphenyl	80				30-150	A

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits	
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638429-4 QC Sample: L1318577-02 Client ID: GB12OW_091913							
Aroclor 1016	ND	ND	ug/l	NC		30	A
Aroclor 1221	ND	ND	ug/l	NC		30	A
Aroclor 1232	ND	ND	ug/l	NC		30	A
Aroclor 1242	ND	ND	ug/l	NC		30	A
Aroclor 1248	ND	ND	ug/l	NC		30	A
Aroclor 1254	ND	ND	ug/l	NC		30	A
Aroclor 1260	ND	ND	ug/l	NC		30	A

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		39		30-150	A
Decachlorobiphenyl	78		80		30-150	A

METALS

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-01	Date Collected:	09/19/13 11:00
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG
Copper, Total	0.007	J	mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG
Lead, Total	0.014		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 13:10	EPA 245.1	3,245.1	DR
Nickel, Total	0.005	J	mg/l	0.025	0.004	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG
Zinc, Total	0.016	J	mg/l	0.050	0.007	1	09/23/13 12:31	09/23/13 16:34	EPA 3005A	19,200.7	MG

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

SAMPLE RESULTS

Lab ID:	L1318577-02	Date Collected:	09/19/13 13:15
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG
Copper, Total	ND		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG
Lead, Total	0.015		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 13:12	EPA 245.1	3,245.1	DR
Nickel, Total	ND		mg/l	0.025	0.004	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG
Zinc, Total	0.010	J	mg/l	0.050	0.007	1	09/23/13 12:31	09/23/13 17:00	EPA 3005A	19,200.7	MG

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

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): 01-02 Batch: WG638224-1										
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG
Copper, Total	ND		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG
Lead, Total	ND		mg/l	0.010	0.002	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG
Nickel, Total	ND		mg/l	0.025	0.004	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG
Zinc, Total	ND		mg/l	0.050	0.007	1	09/23/13 12:31	09/23/13 16:27	19,200.7	MG

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): 01-02 Batch: WG638818-1										
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 12:49	3,245.1	DR

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG638224-2								
Cadmium, Total	105		-		85-115	-		
Copper, Total	102		-		85-115	-		
Lead, Total	106		-		85-115	-		
Nickel, Total	101		-		85-115	-		
Zinc, Total	100		-		85-115	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG638818-2								
Mercury, Total	107		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

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): 01-02 QC Batch ID: WG638224-4 QC Sample: L1318577-01 Client ID: MW3_091913												
Cadmium, Total	ND	0.051	0.052	101		-	-		75-125	-		20
Copper, Total	0.007J	0.25	0.276	110		-	-		75-125	-		20
Lead, Total	0.014	0.51	0.550	105		-	-		75-125	-		20
Nickel, Total	0.005J	0.5	0.495	99		-	-		75-125	-		20
Zinc, Total	0.016J	0.5	0.492	98		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638818-4 QC Sample: L1317820-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.0053	106		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638224-3 QC Sample: L1318577-01 Client ID: MW3_091913						
Cadmium, Total	ND	ND	mg/l	NC		20
Copper, Total	0.007J	0.007J	mg/l	NC		20
Lead, Total	0.014	0.013	mg/l	8		20
Nickel, Total	0.005J	0.006J	mg/l	NC		20
Zinc, Total	0.016J	0.017J	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638818-3 QC Sample: L1317820-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

SAMPLE RESULTS

Lab ID: L1318577-01
Client ID: MW3_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 11:00
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	1500		mg/l	10	NA	1	-	09/20/13 11:10	30,2540B	DW
Solids, Total Suspended	54.		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
Chloride	81.		mg/l	1.0	0.21	1	-	09/20/13 15:24	30,4500CL-E	LA
pH (H)	7.0		SU	-	NA	1	-	09/20/13 03:20	30,4500H+-B	DE
Nitrogen, Nitrate/Nitrite	0.036	J	mg/l	0.10	0.015	1	-	09/25/13 02:53	44,353.2	DB
Total Nitrogen	13.		mg/l	0.30	0.30	1	-	09/26/13 11:33	41,-	JO
Nitrogen, Total Kjeldahl	12.8		mg/l	0.300	0.102	1	09/23/13 12:42	09/23/13 23:24	30,4500N-C	AT
CBOD, 5 day	ND		mg/l	2.0	NA	1	09/20/13 18:20	09/25/13 13:35	30,5210B	SE
Non-Polar Material by EPA 1664	ND		mg/l	4.00	0.860	1	09/24/13 07:15	09/24/13 10:30	74,1664A	ML
Flash Point	>150		deg F	70	NA	1	-	09/25/13 11:40	1,1010	DM
Chromium, Hexavalent	0.001	J	mg/l	0.010	0.001	1	09/20/13 01:55	09/20/13 02:31	30,3500CR-D	JT

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

SAMPLE RESULTS

Lab ID: L1318577-02
Client ID: GB12OW_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 13:15
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	2700		mg/l	10	NA	1	-	09/20/13 11:10	30,2540B	DW
Solids, Total Suspended	75.		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
Chloride	920		mg/l	10	2.1	10	-	09/20/13 17:12	30,4500CL-E	LA
pH (H)	6.6		SU	-	NA	1	-	09/20/13 03:20	30,4500H+-B	DE
Nitrogen, Nitrate/Nitrite	0.13		mg/l	0.10	0.015	1	-	09/25/13 02:53	44,353.2	DB
Total Nitrogen	5.6		mg/l	0.30	0.30	1	-	09/26/13 11:33	41,-	JO
Nitrogen, Total Kjeldahl	5.49		mg/l	0.300	0.102	1	09/23/13 12:42	09/23/13 23:25	30,4500N-C	AT
CBOD, 5 day	ND		mg/l	2.0	NA	1	09/20/13 18:20	09/25/13 13:35	30,5210B	SE
Non-Polar Material by EPA 1664	ND		mg/l	4.00	0.860	1	09/24/13 07:15	09/24/13 10:30	74,1664A	ML
Flash Point	>150		deg F	70	NA	1	-	09/25/13 11:40	1,1010	DM
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/20/13 01:55	09/20/13 02:31	30,3500CR-D	JT

Project Name: GREENPOINT LANDING **Lab Number:** L1318577

Project Number: 170229002 **Report Date:** 09/30/13

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): 01-02 Batch: WG637643-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.001	1	09/20/13 01:55	09/20/13 02:27	30,3500CR-D	JT
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637666-1										
Solids, Total	ND		mg/l	10	NA	1	-	09/20/13 11:10	30,2540B	DW
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637791-1										
Chloride	ND		mg/l	1.0	0.21	1	-	09/20/13 15:16	30,4500CL-E	LA
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG637840-1										
CBOD, 5 day	ND		mg/l	2.0	NA	1	09/20/13 18:20	09/25/13 13:35	30,5210B	SE
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638152-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638227-1										
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.034	1	09/23/13 12:42	09/23/13 23:08	30,4500N-C	AT
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638545-1										
Non-Polar Material by EPA 1664	ND		mg/l	4.00	0.860	1	09/24/13 07:15	09/24/13 10:30	74,1664A	ML
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638768-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.015	1	-	09/25/13 01:48	44,353.2	DB

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637643-2								
Chromium, Hexavalent	102		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637649-1								
pH	100		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637666-2								
Solids, Total	100		-		81-113	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637791-2								
Chloride	97		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637840-2								
CBOD, 5 day	94		-		47-104	-		49
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG638227-2								
Nitrogen, Total Kjeldahl	94		-		78-122	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG638545-2								
Non-Polar Material by EPA 1664	80		-		64-132	-		34

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG638768-2					
Nitrogen, Nitrate/Nitrite	96	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG639005-1					
Flash Point	102	-		-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318577
Report Date: 09/30/13

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): 01-02 QC Batch ID: WG637643-4 QC Sample: L1318577-01 Client ID: MW3_091913												
Chromium, Hexavalent	0.001J	0.1	0.100	100		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637791-4 QC Sample: L1318543-01 Client ID: MS Sample												
Chloride	86.	20	100	70		-	-		58-140	-		7
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637840-4 QC Sample: L1318577-02 Client ID: GB12OW_091913												
CBOD, 5 day	ND	100	100	106		-	-		36-125	-		49
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638227-4 QC Sample: L1318561-04 Client ID: MS Sample												
Nitrogen, Total Kjeldahl	0.311	8	7.58	91		-	-		77-111	-		24
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638545-4 QC Sample: L1318577-02 Client ID: GB12OW_091913												
Non-Polar Material by EPA 1664	ND	20.4	18.0	88		-	-		64-132	-		34
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638768-4 QC Sample: L1318823-01 Client ID: MS Sample												
Nitrogen, Nitrate/Nitrite	0.051J	4	3.9	98		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637643-3 QC Sample: L1318577-01 Client ID: MW3_091913						
Chromium, Hexavalent	0.001J	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637649-2 QC Sample: L1318551-01 Client ID: DUP Sample						
pH	9.4	9.3	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637666-3 QC Sample: L1318509-01 Client ID: DUP Sample						
Solids, Total	3700	2700	mg/l	**31**	Q	16
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637791-3 QC Sample: L1318543-01 Client ID: DUP Sample						
Chloride	86.	85.	mg/l	1		7
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637840-3 QC Sample: L1318577-01 Client ID: MW3_091913						
CBOD, 5 day	ND	20.	mg/l	NC		49
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638152-2 QC Sample: L1318617-01 Client ID: DUP Sample						
Solids, Total Suspended	1700	1500	mg/l	13		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638227-3 QC Sample: L1318561-04 Client ID: DUP Sample						
Nitrogen, Total Kjeldahl	0.311	0.300	mg/l	4		24
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638545-3 QC Sample: L1318577-01 Client ID: MW3_091913						
Non-Polar Material by EPA 1664	ND	ND	mg/l	NC		34
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638768-3 QC Sample: L1318823-01 Client ID: DUP Sample						
Nitrogen, Nitrate/Nitrite	0.051J	0.051J	mg/l	NC		20

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

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

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318577-01A	Vial Na2S2O3 preserved	A	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-01B	Vial Na2S2O3 preserved	A	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-01C	Vial Na2S2O3 preserved	A	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-01D	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	625-NYDEP(7)
L1318577-01E	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	625-NYDEP(7)
L1318577-01F	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-01G	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-01H	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-01I	Amber 1000ml Na2S2O3	A	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-01J	Amber 1000ml HCl preserved	A	N/A	2	Y	Absent	NYTPH-1664(28)
L1318577-01K	Amber 1000ml HCl preserved	A	N/A	2	Y	Absent	NYTPH-1664(28)
L1318577-01L	Plastic 1000ml unpreserved	A	7	2	Y	Absent	TSS-2540(7)
L1318577-01M	Plastic 1000ml unpreserved	A	7	2	Y	Absent	TSC-2540(7),CL-4500(28)
L1318577-01N	Plastic 1000ml unpreserved	A	7	2	Y	Absent	HEXCR-3500(1),CBOD5(2),PH-4500(.01)
L1318577-01O	Amber 1000ml unpreserved	A	7	2	Y	Absent	FLASH()
L1318577-01P	Plastic 500ml H2SO4 preserved	A	<2	2	Y	Absent	TKN-4500(28),NO3/NO2-353(28),TNITROGEN(28)
L1318577-01Q	Plastic 500ml HNO3 preserved	A	<2	2	Y	Absent	NI-UI(180),ZN-UI(180),HG-U(28),CD-UI(180),CU-UI(180),PB-UI(180)
L1318577-02A	Vial Na2S2O3 preserved	B	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-02B	Vial Na2S2O3 preserved	B	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-02C	Vial Na2S2O3 preserved	B	N/A	2	Y	Absent	624-NYDEP(3)
L1318577-02D	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	625-NYDEP(7)
L1318577-02E	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	625-NYDEP(7)
L1318577-02F	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-02G	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	NYPCB-608-2L(7)

*Values in parentheses indicate holding time in days

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318577
Report Date: 09/30/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318577-02H	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-02I	Amber 1000ml Na2S2O3	B	7	2	Y	Absent	NYPCB-608-2L(7)
L1318577-02J	Amber 1000ml HCl preserved	B	N/A	2	Y	Absent	NYTPH-1664(28)
L1318577-02K	Amber 1000ml HCl preserved	B	N/A	2	Y	Absent	NYTPH-1664(28)
L1318577-02L	Plastic 1000ml unpreserved	B	7	2	Y	Absent	TSS-2540(7)
L1318577-02M	Plastic 1000ml unpreserved	B	7	2	Y	Absent	TSC-2540(7),CL-4500(28)
L1318577-02N	Plastic 1000ml unpreserved	B	7	2	Y	Absent	HEXCR-3500(1),CBOD5(2),PH-4500(.01)
L1318577-02O	Amber 1000ml unpreserved	B	7	2	Y	Absent	FLASH()
L1318577-02P	Plastic 500ml H2SO4 preserved	B	<2	2	Y	Absent	TKN-4500(28),NO3/NO2-353(28),TNITROGEN(28)
L1318577-02Q	Plastic 500ml HNO3 preserved	B	<2	2	Y	Absent	NI-UI(180),ZN-UI(180),HG-U(28),CD-UI(180),CU-UI(180),PB-UI(180)

Container Comments

L1318577-01Q

L1318577-02Q

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

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

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.
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.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318577
Project Number:	170229002	**Report Date:**	09/30/13

Data Qualifiers

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:** L1318577
Project Number: 170229002 **Report Date:** 09/30/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

41 Alpha Analytical Labs Internally-developed Performance-based Method.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

74 Method 1664,Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 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.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/19/13

ALPHA Job #: L1318577

Client Information

Client: LANGAN D.P.C
Address: 360 W31St 8th Fl New York, NY 10001
Phone: 212 479 5476
Fax:
Email: GWYKA@LANGAN

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: GREENPOINT LANDING
Project Location: BROOKLYN, NY
Project #: 170229002
Project Manager: MIMI RAYBORODETSKY
ALPHA Quote #: 2013963

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 9/26/13 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
NYC Sanitary and Combined Sewer Discharge	NYC-SEWER

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes	☒ No	Are MCP Analytical Methods Required?
☐ Yes	☒ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please see attached list.
PCB reporting limit must be 65ppt. See attached list.

PROVIDE NYSDEC EDD

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 624 (See Attached List)	Total Metals (See Attached List)	Chloride, CBOD, Total Solids	Total Suspended Solids	pH, HexChrom	Non Polar Material - 1664	TKN, NO3/NO2	ABN 625 (See Attached List)	PCB 608 - Must acheve 65ppt RL	Flash Point			Sample Specific Comments	TOTAL # BOTTLES
18577-01	MW3-091913	9/19/13	1100	Water	SH	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐		16
02	GB120W-091913	9/19/13	1315	WATER	SH	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐		16
				GW 9/19/13		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	V	P	P	P	P	A	P	A	A	A	-	-
Preservative	H	C	A	A	A	B	D	H	H	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	9/19/13 1625	[illegible]	9/19/13 16[illegible]
[illegible]	9/19/13 1820	Tom Fisher	9/19/13 1821
Tom Fisher	9/19/13 2350	William McCreedy	9/19/13 2350

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 Payment Terms.

FORM NO: 01-01(I) (rev. 30-JUL-07)

TABLE A

LIMITATIONS FOR EFFLUENT TO ***SANITARY OR COMBINED*** SEWERS

Parameter[1]	Daily Limit	Units	Sample Type	Monthly Limit
Non-polar material[2]	50	mg/l	Instantaneous	---
pH	5-11	SU's	Instantaneous	---
Temperature	< 150	Degree F	Instantaneous	---
Flash Point	> 140	Degree F	Instantaneous	---
Cadmium	2 0.69	mg/l mg/l	Instantaneous Composite	--- ---
Chromium (VI)	5	mg/l	Instantaneous	---
Copper	5	mg/l	Instantaneous	---
Lead	2	mg/l	Instantaneous	---
Mercury	0.05	mg/l	Instantaneous	---
Nickel	3	mg/l	Instantaneous	---
Zinc	5	mg/l	Instantaneous	---
Benzene	134	ppb	Instantaneous	57
Carbontetrachloride	---	---	Composite	---
Chloroform	---	---	Composite	---
1,4 Dichlorobenzene	---	---	Composite	---
Ethylbenzene	380	ppb	Instantaneous	142
MTBE (Methyl-Tert-Butyl-Ether)	50	ppb	Instantaneous	---
Naphthalene	47	ppb	Composite	19
Phenol	---	---	Composite	---
Tetrachloroethylene (Perc)	20	ppb	Instantaneous	---
Toluene	74	ppb	Instantaneous	28
1,2,4 Trichlorobenzene	---	---	Composite	---
1,1,1 Trichloroethane	---	---	Composite	---
Xylenes (Total)	74	ppb	Instantaneous	28
PCB's (Total)[3]	1	ppb	Composite	---
Total Suspended Solids (TSS)	350[4]	mg/l	Instantaneous	---
CBOD[5]	---	---	Composite	---
Chloride[5]	---	---	Instantaneous	---
Total Nitrogen[5]	---	---	Composite	---
Total Solids[5]	---	---	Instantaneous	---
Other				

1 All handling and preservation of collected samples and laboratory analyses of samples shall be performed in accordance with 40 C.F.R. pt. 136. If 40 C.F.R. pt. 136 does not cover the pollutant in question, the handling, preservation, and analysis must be performed in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater." All analyses shall be performed using a detection level less than the lowest applicable regulatory discharge limit. If a parameter does not have a limit, then the detection level is defined as the least of the Practical Quantitation Limits identified in NYSDEC's Analytical Detectability and Quantitation Guidelines for Selected Environmental Parameters, December 1988

2 Analysis for ***non-polar materials*** must be done by EPA method 1664 Rev. A. Non-Polar Material shall mean that portion of the oil and grease that is not eliminated from a solution containing N-Hexane, or any other extraction solvent the EPA shall prescribe, by silica gel absorption.

3 Analysis for PCB=s is required if ***both*** conditions listed below are met:
1) if proposed discharge ≥ 10,000 gpd;
2) if duration of a discharge > 10 days.
Analysis for PCB=s must be done by EPA method 608 with MDL=<65 ppt. PCB's (total) is the sum of PCB-1242 (Arochlor 1242), PCB-1254 (Arochlor 1254), PCB-1221 (Arochlor 1221), PCB-1232 (Arochlor 1232), PCB-1248 (Arochlor 1248), PCB-1260 (Arochlor 1260) and PCB-1016 (Arochlor 1016).

4 For discharge ≥ 10,000 gpd, the TSS limit is 350 mg/l. For discharge < 10,000gpd, the limit is determined on a case by case basis.

5 Analysis for Carbonaceous Biochemical Oxygen Demand (CBOD), Chloride, Total Solids and Total Nitrogen are required if proposed discharge ≥ 10,000 gpd. Total Nitrogen = Total Kjeldahl Nitrogen (TKN) + Nitrite (NO_2) + Nitrate (NO_3).

ANALYTICAL REPORT

Lab Number:	L1318578
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:	09/26/13

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Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318578-01	MW3_091913	BROOKLYN, NY	09/19/13 11:15
L1318578-02	GB12OW_091913	BROOKLYN, NY	09/19/13 13:10

Project Name: GREENPOINT LANDING **Lab Number:** L1318578
Project Number: 170229002 **Report Date:** 09/26/13

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 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.

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

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318578
Project Number:	170229002	**Report Date:**	09/26/13

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

The WG638289-1 LCS recoveries for 2-chloroethylvinyl ether (128%), 1,2-dichloroethane (112%), and trans-1,3-dichloropropene (107%), associated with L1318578-01 and -02, are outside Alpha's acceptance criteria, but within the acceptance criteria specified in the method.

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: Kelly Stenstrom

Title: Technical Director/Representative

Date: 09/26/13

ORGANICS

VOLATILES

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-01	Date Collected:	09/19/13 11:15
Client ID:	MW3_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	09/20/13 20:36		
Analyst:	TR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.65	1
1,1-Dichloroethane	ND		ug/l	1.5	0.31	1
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
1,2-Dichloropropane	ND		ug/l	3.5	0.28	1
Dibromochloromethane	ND		ug/l	1.0	0.33	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.62	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
Chlorobenzene	ND		ug/l	3.5	0.32	1
Trichlorofluoromethane	ND		ug/l	5.0	0.33	1
1,2-Dichloroethane	ND		ug/l	1.5	0.36	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Bromodichloromethane	ND		ug/l	1.0	0.30	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32	1
Bromoform	ND		ug/l	1.0	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
Chloromethane	ND		ug/l	5.0	0.89	1
Bromomethane	2.5	J	ug/l	5.0	1.3	1
Vinyl chloride	ND		ug/l	2.0	0.30	1
Chloroethane	ND		ug/l	2.0	0.31	1
1,1-Dichloroethene	ND		ug/l	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34	1
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33	1
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-01	Date Collected:	09/19/13 11:15
Client ID:	MW3_091913	Date Received:	09/19/13
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	5.0	0.85	1
p/m-Xylene[1]	ND		ug/l	2.0	0.66	1
o-xylene[1]	ND		ug/l	1.0	0.30	1
Xylene (Total)[1]	ND		ug/l	2.0	0.66	1
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	104		80-120
Fluorobenzene	108		80-120
4-Bromofluorobenzene	93		80-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-02	Date Collected:	09/19/13 13:10
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	09/20/13 21:11		
Analyst:	TR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.65	1
1,1-Dichloroethane	ND		ug/l	1.5	0.31	1
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
1,2-Dichloropropane	ND		ug/l	3.5	0.28	1
Dibromochloromethane	ND		ug/l	1.0	0.33	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.62	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
Chlorobenzene	ND		ug/l	3.5	0.32	1
Trichlorofluoromethane	ND		ug/l	5.0	0.33	1
1,2-Dichloroethane	ND		ug/l	1.5	0.36	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Bromodichloromethane	ND		ug/l	1.0	0.30	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32	1
Bromoform	ND		ug/l	1.0	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
Chloromethane	ND		ug/l	5.0	0.89	1
Bromomethane	ND		ug/l	5.0	1.3	1
Vinyl chloride	ND		ug/l	2.0	0.30	1
Chloroethane	ND		ug/l	2.0	0.31	1
1,1-Dichloroethene	ND		ug/l	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34	1
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33	1
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93	1

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-02	Date Collected:	09/19/13 13:10
Client ID:	GB12OW_091913	Date Received:	09/19/13
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	5.0	0.85	1
p/m-Xylene[1]	ND		ug/l	2.0	0.66	1
o-xylene[1]	ND		ug/l	1.0	0.30	1
Xylene (Total)[1]	ND		ug/l	2.0	0.66	1
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	104		80-120
Fluorobenzene	106		80-120
4-Bromofluorobenzene	92		80-120

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 09/20/13 20:01
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638289-2					
Methylene chloride	ND		ug/l	5.0	0.65
1,1-Dichloroethane	ND		ug/l	1.5	0.31
Chloroform	ND		ug/l	1.5	0.29
Carbon tetrachloride	ND		ug/l	1.0	0.33
1,2-Dichloropropane	ND		ug/l	3.5	0.28
Dibromochloromethane	ND		ug/l	1.0	0.33
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.62
Tetrachloroethene	ND		ug/l	1.5	0.38
Chlorobenzene	ND		ug/l	3.5	0.32
Trichlorofluoromethane	ND		ug/l	5.0	0.33
1,2-Dichloroethane	ND		ug/l	1.5	0.36
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30
Bromodichloromethane	ND		ug/l	1.0	0.30
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32
Bromoform	ND		ug/l	1.0	0.32
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35
Benzene	ND		ug/l	1.0	0.31
Toluene	ND		ug/l	1.0	0.35
Ethylbenzene	ND		ug/l	1.0	0.33
Chloromethane	ND		ug/l	5.0	0.89
Bromomethane	3.2	J	ug/l	5.0	1.3
Vinyl chloride	ND		ug/l	2.0	0.30
Chloroethane	ND		ug/l	2.0	0.31
1,1-Dichloroethene	ND		ug/l	1.0	0.28
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34
cis-1,2-Dichloroethene[1]	ND		ug/l	1.0	0.33
Trichloroethene	ND		ug/l	1.0	0.33
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 09/20/13 20:01
Analyst: TR

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG638289-2					
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85
p/m-Xylene[1]	ND		ug/l	2.0	0.66
o-xylene[1]	ND		ug/l	1.0	0.30
Xylene (Total)[1]	ND		ug/l	2.0	0.66
Methyl tert butyl Ether[1]	ND		ug/l	10	0.58

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	105		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	92		80-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Methylene chloride	110		-		70-111	-		30
1,1-Dichloroethane	107		-		78-116	-		30
Chloroform	107		-		86-111	-		30
Carbon tetrachloride	103		-		60-112	-		30
1,2-Dichloropropane	108		-		83-113	-		30
Dibromochloromethane	106		-		58-129	-		30
1,1,2-Trichloroethane	112		-		80-118	-		30
2-Chloroethylvinyl ether	**128**	Q	-		69-124	-		30
Tetrachloroethene	103		-		80-126	-		30
Chlorobenzene	94		-		80-126	-		30
Trichlorofluoromethane	101		-		83-128	-		30
1,2-Dichloroethane	**112**	Q	-		82-110	-		30
1,1,1-Trichloroethane	105		-		72-109	-		30
Bromodichloromethane	104		-		71-120	-		30
trans-1,3-Dichloropropene	**107**	Q	-		73-106	-		30
cis-1,3-Dichloropropene	104		-		78-111	-		30
Bromoform	98		-		45-131	-		30
1,1,2,2-Tetrachloroethane	110		-		81-122	-		30
Benzene	108		-		84-116	-		30
Toluene	106		-		83-121	-		30
Ethylbenzene	96		-		84-123	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Chloromethane	101		-		70-144	-		30
Bromomethane	86		-		63-141	-		30
Vinyl chloride	95		-		56-118	-		30
Chloroethane	98		-		74-130	-		30
1,1-Dichloroethene	101		-		77-116	-		30
trans-1,2-Dichloroethene	105		-		81-121	-		30
cis-1,2-Dichloroethene[1]	107		-		85-110	-		30
Trichloroethene	106		-		84-118	-		30
1,2-Dichlorobenzene	100		-		78-128	-		30
1,3-Dichlorobenzene	97		-		77-125	-		30
1,4-Dichlorobenzene	99		-		77-125	-		30
p/m-Xylene[1]	99		-		81-121	-		30
o-Xylene[1]	98		-		81-124	-		30
Xylene (Total)[1]	98		-		81-122	-		30
Styrene[1]	100		-		84-133	-		30
Acetone[1]	138		-		40-160	-		30
Carbon disulfide[1]	99		-		54-134	-		30
2-Butanone[1]	**141**	Q	-		57-116	-		30
Vinyl acetate[1]	125		-		40-160	-		30
4-Methyl-2-pentanone[1]	**139**	Q	-		79-125	-		30
2-Hexanone[1]	**143**	Q	-		78-120	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG638289-1								
Acrolein[1]	124		-		40-160	-		30
Acrylonitrile[1]	**130**	Q	-		66-123	-		30
Methyl tert butyl ether[1]	117		-		57-126	-		30
Dibromomethane[1]	107		-		65-126	-		30
1,4-Dioxane[1]	**153**	Q	-		74-121	-		30
tert-Butyl Alcohol[1]	**181**	Q	-		52-114	-		30
Tertiary-Amyl Methyl Ether[1]	**122**	Q	-		66-111	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	107				80-120
Fluorobenzene	104				80-120
4-Bromofluorobenzene	91				80-120

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

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): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Methylene chloride	ND	200	230	**117**	Q	-	-		70-111	-		30
1,1-Dichloroethane	ND	200	230	116		-	-		78-116	-		30
Chloroform	ND	200	230	**117**	Q	-	-		86-111	-		30
Carbon tetrachloride	ND	200	240	**121**	Q	-	-		60-112	-		30
1,2-Dichloropropane	ND	200	230	**114**	Q	-	-		83-113	-		30
Dibromochloromethane	ND	200	220	109		-	-		58-129	-		30
1,1,2-Trichloroethane	ND	200	230	115		-	-		80-118	-		30
2-Chloroethylvinyl ether	ND	200	260	**130**	Q	-	-		69-124	-		30
Tetrachloroethene	ND	200	230	114		-	-		80-126	-		30
Chlorobenzene	ND	200	210	106		-	-		80-126	-		30
Trichlorofluoromethane	ND	200	230	115		-	-		83-128	-		30
1,2-Dichloroethane	ND	200	230	**116**	Q	-	-		82-110	-		30
1,1,1-Trichloroethane	ND	200	240	**118**	Q	-	-		72-109	-		30
Bromodichloromethane	ND	200	220	112		-	-		71-120	-		30
trans-1,3-Dichloropropene	ND	200	180	92		-	-		73-106	-		30
cis-1,3-Dichloropropene	ND	200	160	82		-	-		78-111	-		30
Bromoform	ND	200	200	100		-	-		45-131	-		30
1,1,2,2-Tetrachloroethane	ND	200	220	109		-	-		81-122	-		30
Benzene	ND	200	230	**117**	Q	-	-		84-116	-		30
Toluene	ND	200	230	116		-	-		83-121	-		30
Ethylbenzene	ND	200	220	112		-	-		84-123	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

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): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Chloromethane	ND	200	190	94		-	-		70-144	-		30
Bromomethane	ND	200	94	**47**	Q	-	-		63-141	-		30
Vinyl chloride	ND	200	220	111		-	-		56-118	-		30
Chloroethane	ND	200	230	114		-	-		74-130	-		30
1,1-Dichloroethene	ND	200	230	**117**	Q	-	-		77-116	-		30
trans-1,2-Dichloroethene	ND	200	230	116		-	-		81-121	-		30
cis-1,2-Dichloroethene[1]	ND	200	220	**111**	Q	-	-		85-110	-		30
Trichloroethene	ND	200	230	117		-	-		84-118	-		30
1,2-Dichlorobenzene	ND	200	210	105		-	-		78-128	-		30
1,3-Dichlorobenzene	ND	200	210	104		-	-		77-125	-		30
1,4-Dichlorobenzene	ND	200	210	106		-	-		77-125	-		30
p/m-Xylene[1]	ND	400	430	108		-	-		81-121	-		30
o-Xylene[1]	ND	200	210	106		-	-		81-124	-		30
Xylene (Total)[1]	ND	600	640	107		-	-		81-122	-		30
Styrene[1]	ND	200	210	107		-	-		84-133	-		30
Acetone[1]	ND	500	600	120		-	-		40-160	-		30
Carbon disulfide[1]	ND	200	200	103		-	-		54-134	-		30
2-Butanone[1]	ND	500	600	**120**	Q	-	-		57-116	-		30
Vinyl acetate[1]	ND	400	400	101		-	-		40-160	-		30
4-Methyl-2-pentanone[1]	ND	500	610	122		-	-		79-125	-		30
2-Hexanone[1]	ND	500	590	118		-	-		78-120	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

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): 01-02 QC Batch ID: WG638289-4 QC Sample: L1318404-01 Client ID: MS Sample												
Acrolein[1]	ND	400	410	103		-	-		40-160	-		30
Acrylonitrile[1]	ND	400	470	117		-	-		66-123	-		30
Dibromomethane[1]	ND	200	210	106		-	-		65-126	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	96				80-120
Fluorobenzene	106				80-120
Pentafluorobenzene	106				80-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample						
Methylene chloride	ND	ND	ug/l	NC		30
1,1-Dichloroethane	ND	ND	ug/l	NC		30
Chloroform	ND	ND	ug/l	NC		30
Carbon tetrachloride	ND	ND	ug/l	NC		30
1,2-Dichloropropane	ND	ND	ug/l	NC		30
Dibromochloromethane	ND	ND	ug/l	NC		30
1,1,2-Trichloroethane	ND	ND	ug/l	NC		30
2-Chloroethylvinyl ether	ND	ND	ug/l	NC		30
Tetrachloroethene	ND	ND	ug/l	NC		30
Chlorobenzene	ND	ND	ug/l	NC		30
Trichlorofluoromethane	ND	ND	ug/l	NC		30
1,2-Dichloroethane	ND	ND	ug/l	NC		30
1,1,1-Trichloroethane	ND	ND	ug/l	NC		30
Bromodichloromethane	ND	ND	ug/l	NC		30
trans-1,3-Dichloropropene	ND	ND	ug/l	NC		30
cis-1,3-Dichloropropene	ND	ND	ug/l	NC		30
Bromoform	ND	ND	ug/l	NC		30
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC		30
Benzene	ND	ND	ug/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample					
Toluene	ND	ND	ug/l	NC	30
Ethylbenzene	ND	ND	ug/l	NC	30
Chloromethane	ND	ND	ug/l	NC	30
Bromomethane	ND	ND	ug/l	NC	30
Vinyl chloride	ND	ND	ug/l	NC	30
Chloroethane	ND	ND	ug/l	NC	30
1,1-Dichloroethene	ND	ND	ug/l	NC	30
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	30
cis-1,2-Dichloroethene[1]	ND	ND	ug/l	NC	30
Trichloroethene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
1,3-Dichlorobenzene	ND	ND	ug/l	NC	30
1,4-Dichlorobenzene	ND	ND	ug/l	NC	30
p/m-Xylene[1]	ND	ND	ug/l	NC	30
o-Xylene[1]	ND	ND	ug/l	NC	30
Xylene (Total)[1]	ND	ND	ug/l	NC	30
Styrene[1]	ND	ND	ug/l	NC	30
Acetone[1]	ND	ND	ug/l	NC	30
Carbon disulfide[1]	ND	ND	ug/l	NC	30

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638289-3 QC Sample: L1318404-01 Client ID: DUP Sample					
2-Butanone[1]	ND	ND	ug/l	NC	30
Vinyl acetate[1]	ND	ND	ug/l	NC	30
4-Methyl-2-pentanone[1]	ND	ND	ug/l	NC	30
2-Hexanone[1]	ND	ND	ug/l	NC	30
Acrolein[1]	ND	ND	ug/l	NC	30
Acrylonitrile[1]	ND	ND	ug/l	NC	30
Dibromomethane[1]	ND	ND	ug/l	NC	30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	103		105		80-120
Fluorobenzene	106		105		80-120
4-Bromofluorobenzene	95		97		80-120

METALS

Project Name: GREENPOINT LANDING
Lab Number: L1318578
Project Number: 170229002
Report Date: 09/26/13

SAMPLE RESULTS

Lab ID: L1318578-01
Client ID: MW3_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 11:15
Date Received: 09/19/13
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											
Antimony, Total	ND		mg/l	0.050	0.008	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Chromium, Total	0.0033	J	mg/l	0.0100	0.0020	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Copper, Total	0.005	J	mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Lead, Total	0.016		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 13:14	EPA 245.1	3,245.1	DR
Nickel, Total	0.006	J	mg/l	0.025	0.004	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Selenium, Total	ND		mg/l	0.010	0.003	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Silver, Total	ND		mg/l	0.007	0.002	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Thallium, Total	ND		mg/l	0.020	0.004	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT
Zinc, Total	0.024	J	mg/l	0.050	0.007	1	09/24/13 16:36	09/25/13 12:33	EPA 3005A	19,200.7	TT

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318578
Project Number:	170229002	**Report Date:**	09/26/13

SAMPLE RESULTS

Lab ID:	L1318578-02	Date Collected:	09/19/13 13:10
Client ID:	GB12OW_091913	Date Received:	09/19/13
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Antimony, Total	0.012	J	mg/l	0.050	0.008	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Cadmium, Total	0.001	J	mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Chromium, Total	ND		mg/l	0.01	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Copper, Total	ND		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Lead, Total	0.018		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 13:16	EPA 245.1	3,245.1	DR
Nickel, Total	ND		mg/l	0.025	0.004	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Selenium, Total	ND		mg/l	0.010	0.003	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Silver, Total	ND		mg/l	0.007	0.002	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Thallium, Total	ND		mg/l	0.020	0.004	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT
Zinc, Total	0.012	J	mg/l	0.050	0.007	1	09/24/13 16:36	09/25/13 11:34	EPA 3005A	19,200.7	TT

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

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): 01-02 Batch: WG638693-1										
Antimony, Total	ND		mg/l	0.050	0.008	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Chromium, Total	ND		mg/l	0.01	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Copper, Total	ND		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Lead, Total	ND		mg/l	0.010	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Nickel, Total	ND		mg/l	0.025	0.004	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Selenium, Total	ND		mg/l	0.010	0.003	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Silver, Total	ND		mg/l	0.007	0.002	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Thallium, Total	ND		mg/l	0.020	0.004	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT
Zinc, Total	ND		mg/l	0.050	0.007	1	09/24/13 16:36	09/25/13 11:26	19,200.7	TT

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): 01-02 Batch: WG638818-1										
Mercury, Total	ND		mg/l	0.0002	0.0001	1	09/25/13 08:20	09/25/13 12:49	3,245.1	DR

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG638693-2								
Antimony, Total	100		-		85-115	-		
Arsenic, Total	110		-		85-115	-		
Beryllium, Total	103		-		85-115	-		
Cadmium, Total	107		-		85-115	-		
Chromium, Total	100		-		85-115	-		
Copper, Total	105		-		85-115	-		
Lead, Total	108		-		85-115	-		
Nickel, Total	102		-		85-115	-		
Selenium, Total	112		-		85-115	-		
Silver, Total	106		-		85-115	-		
Thallium, Total	108		-		85-115	-		
Zinc, Total	102		-		85-115	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG638818-2								
Mercury, Total	107		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

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): 01-02 QC Batch ID: WG638693-4 QC Sample: L1318578-02 Client ID: GB12OW_091913												
Antimony, Total	0.012J	0.5	0.552	110		-	-		75-125	-		20
Arsenic, Total	ND	0.12	0.134	112		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.049	99		-	-		75-125	-		20
Cadmium, Total	0.001J	0.051	0.051	100		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.19	95		-	-		75-125	-		20
Copper, Total	ND	0.25	0.263	105		-	-		75-125	-		20
Lead, Total	0.018	0.51	0.501	95		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.457	91		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.138	115		-	-		75-125	-		20
Silver, Total	ND	0.05	0.054	109		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.106	88		-	-		75-125	-		20
Zinc, Total	0.012J	0.5	0.481	96		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638818-4 QC Sample: L1317820-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.0053	106		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638693-3 QC Sample: L1318578-02 Client ID: GB12OW_091913						
Antimony, Total	0.012J	ND	mg/l	NC		20
Arsenic, Total	ND	ND	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	0.001J	0.001J	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Copper, Total	ND	ND	mg/l	NC		20
Lead, Total	0.018	0.018	mg/l	2		20
Nickel, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.012J	0.012J	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638818-3 QC Sample: L1317820-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

SAMPLE RESULTS

Lab ID: L1318578-01
Client ID: MW3_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 11:15
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	100		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
Solids, Total Settleable	<0.1		ml/l	.1	NA	1	-	09/20/13 01:05	30,2540F	DE
pH (H)	7.2		SU	-	NA	1	-	09/20/13 03:20	30,4500H+-B	DE
Nitrogen, Nitrate/Nitrite	0.040	J	mg/l	0.10	0.015	1	-	09/21/13 02:44	30,4500NO3-F	DB
Oil & Grease, Hem-Grav	ND		mg/l	4.0	4.0	1	09/23/13 07:45	09/23/13 10:30	74,1664A	ML

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

SAMPLE RESULTS

Lab ID: L1318578-02
Client ID: GB12OW_091913
Sample Location: BROOKLYN, NY
Matrix: Water

Date Collected: 09/19/13 13:10
Date Received: 09/19/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	69.		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
Solids, Total Settleable	<0.1		ml/l	.1	NA	1	-	09/20/13 01:05	30,2540F	DE
pH (H)	6.6		SU	-	NA	1	-	09/20/13 03:20	30,4500H+-B	DE
Nitrogen, Nitrate/Nitrite	0.022	J	mg/l	0.10	0.015	1	-	09/21/13 02:44	30,4500NO3-F	DB
Oil & Grease, Hem-Grav	ND		mg/l	4.0	4.0	1	09/23/13 07:45	09/23/13 10:30	74,1664A	ML

Project Name: GREENPOINT LANDING **Lab Number:** L1318578

Project Number: 170229002 **Report Date:** 09/26/13

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): 01-02 Batch: WG637923-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.015	1	-	09/21/13 02:07	30,4500NO3-F	DB
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638152-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	09/23/13 13:20	30,2540D	DW
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG638175-1										
Oil & Grease, Hem-Grav	ND		mg/l	4.0	4.0	1	09/23/13 07:45	09/23/13 10:30	74,1664A	ML

Lab Control Sample Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637649-1								
pH	100		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG637923-2								
Nitrogen, Nitrate/Nitrite	96		-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG638175-2								
Oil & Grease, Hem-Grav	98		-		78-114	-		18

Matrix Spike Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002
Lab Number: L1318578
Report Date: 09/26/13

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): 01-02 QC Batch ID: WG637923-4 QC Sample: L1318641-01 Client ID: MS Sample												
Nitrogen, Nitrate/Nitrite	2.0	4	5.9	97		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638175-4 QC Sample: L1318493-01 Client ID: MS Sample												
Oil & Grease, Hem-Grav	ND	41.2	38	93		-	-		78-114	-		18

Lab Duplicate Analysis
Batch Quality Control

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637649-2 QC Sample: L1318551-01 Client ID: DUP Sample						
pH	9.4	9.3	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG637923-3 QC Sample: L1318641-01 Client ID: DUP Sample						
Nitrogen, Nitrate/Nitrite	2.0	2.0	mg/l	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638152-2 QC Sample: L1318617-01 Client ID: DUP Sample						
Solids, Total Suspended	1700	1500	mg/l	13		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG638175-3 QC Sample: L1318509-02 Client ID: DUP Sample						
Oil & Grease, Hem-Grav	ND	ND	mg/l	NC		18

Project Name: GREENPOINT LANDING
Project Number: 170229002

Lab Number: L1318578
Report Date: 09/26/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318578-01A	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-01B	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-01C	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-01D	Plastic 1000ml unpreserved	C	7	2	Y	Absent	TSETS-2540(2)
L1318578-01E	Plastic 1000ml unpreserved	C	7	2	Y	Absent	TSS-2540(7)
L1318578-01F	Amber 1000ml HCl preserved	C	N/A	2	Y	Absent	OG-1664(28)
L1318578-01G	Amber 1000ml HCl preserved	C	N/A	2	Y	Absent	OG-1664(28)
L1318578-01H	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	NO3/NO2-4500(28)
L1318578-01I	Plastic 500ml HNO3 preserved	C	<2	2	Y	Absent	NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180)
L1318578-01J	Plastic 250ml unpreserved	C	7	2	Y	Absent	PH-4500(.01)
L1318578-02A	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-02B	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-02C	Vial Na2S2O3 preserved	C	N/A	2	Y	Absent	624(3)
L1318578-02D	Plastic 1000ml unpreserved	C	7	2	Y	Absent	TSETS-2540(2)
L1318578-02E	Plastic 1000ml unpreserved	C	7	2	Y	Absent	TSS-2540(7)
L1318578-02F	Amber 1000ml HCl preserved	C	N/A	2	Y	Absent	OG-1664(28)
L1318578-02G	Amber 1000ml HCl preserved	C	N/A	2	Y	Absent	OG-1664(28)
L1318578-02H	Plastic 500ml H2SO4 preserved	C	<2	2	Y	Absent	NO3/NO2-4500(28)
L1318578-02I	Plastic 500ml HNO3 preserved	C	<2	2	Y	Absent	NI-UI(180),SB-UI(180),AG-UI(180),ZN-UI(180),SE-UI(180),HG-U(28),CD-UI(180),BE-UI(180),CR-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180)
L1318578-02J	Plastic 250ml unpreserved	C	7	2	Y	Absent	PH-4500(.01)

*Values in parentheses indicate holding time in days

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318578
Project Number:	170229002	**Report Date:**	09/26/13

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

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.
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.

Report Format: DU Report with "J" Qualifiers

Project Name:	GREENPOINT LANDING	**Lab Number:**	L1318578
Project Number:	170229002	**Report Date:**	09/26/13

Data Qualifiers

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

REFERENCES

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

74 Method 1664,Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 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.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: 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-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
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 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/19/13

ALPHA Job #: L1318578

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: 360 W 31ST ST 8TH Fl
NEW YORK, NY 10001
Phone: 212 479 5476
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 #: 2013913

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/27/13 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	TOGS CLASS GA

Other Project Specific Requirements/Comments/Detection Limits:
1) PROVIDE CATEGORY A DELIVERABLES
2) PROVIDE NYSDEC EDD

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	pH	Oil and Grease	Total Suspended Solids	Settleable Solids	VOCs EPA 624	Nitrite/Nitrate	13 PP Metals	Sample Specific Comments	Total # Bottles
18578-01	MW3-091913	9/19/13	1115	GW	SH	X	X	X	X	X	X	X		10
02	GB120W-091913	9/19/13	1310	GW	SH	X	X	X	X	X	X	X		10

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	P	A	P	P	V	P	P
Preservative	A	B	A	A	H	D	C

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	9/19/13 1625	[illegible]	9/19/13 1625
[illegible]	9/19/13 1820	Tom Fisher	9/19/13 1820
Tom Fisher	9/19/13 2300	William Mellend	9/19/13 2350

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)

ATTACHMENT F

ANALYTICAL LABORATORY CERTIFICATION

COPY

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

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 18-21 9222B(97)/40CFR141.21(F)6i
	SM 18-21 9223B (97) (Colilert)
Standard Plate Count	SM 18-21 9215B
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

Drinking Water Metals II	
Beryllium, Total	EPA 200.7 Rev. 4.4
	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 18-21 5310C (00)
Perchlorate	EPA 332.0 Rev. 1
Drinking Water Non-Metals	
Alkalinity	SM 18-21 2320B (97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Chloride	EPA 300.0 Rev. 2.1
Color	SM 18-21 2120B (01)
Cyanide	SM 18-21 4500-CN E (99)
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 18-21 4500-F C (97)
Nitrate (as N)	SM 18-21 4500-NO3 F (00)
Nitrite (as N)	SM 18-21 4500-NO3 F (00)
Solids, Total Dissolved	SM 18-21 2540C (97)
Specific Conductance	SM 18-21 2510B (97)

Serial No.: 48541

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ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Drinking Water Non-Metals	
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
Benzene	EPA 524.2

Volatile Aromatics	
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
1,3-Dichloropropane	EPA 524.2

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NY Lab Id No. 11148

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ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below.

Volatile Halocarbons

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

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 624
	EPA 8260C
Acrylonitrile	EPA 624
	EPA 8260C
Ethyl methacrylate	EPA 8260C
Amines	
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 18-21 9221E (99)
	SM 18-21 9222D (97)
Coliform, Total	SM 18-21 9221B (99)
	SM 18-21 9222B (97)
Standard Plate Count	SM 18-21 9215B
Benzidines	
3,3'-Dichlorobenzidine	EPA 625
	EPA 8270D

Benzidines	
Benzidine	EPA 625
	EPA 8270D
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 608
	EPA 8081B
4,4'-DDE	EPA 608
	EPA 8081B
4,4'-DDT	EPA 608
	EPA 8081B
Aldrin	EPA 608
	EPA 8081B
alpha-BHC	EPA 608
	EPA 8081B
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 608
	EPA 8081B
Chlordane Total	EPA 608
	EPA 8081B
delta-BHC	EPA 608
	EPA 8081B
Dieldrin	EPA 608
	EPA 8081B
Endosulfan I	EPA 608
	EPA 8081B
Endosulfan II	EPA 608

Serial No.: 48542

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8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No. 11148

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Chlorinated Hydrocarbon Pesticides	
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 608
	EPA 8081B
Endrin	EPA 608
	EPA 8081B
Endrin aldehyde	EPA 608
	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 608
	EPA 8081B
Heptachlor epoxide	EPA 608
	EPA 8081B
Lindane	EPA 608
	EPA 8081B
Methoxychlor	EPA 608
	EPA 8081B
Toxaphene	EPA 608
	EPA 8081B
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 625
	EPA 8270D
2-Chloronaphthalene	EPA 625

Chlorinated Hydrocarbons	
2-Chloronaphthalene	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 18-21 5210B (01)
Carbonaceous BOD	SM 18-21 5210B (01)
Chemical Oxygen Demand	EPA 410.4 Rev. 2.0
	SM 18-21 5220D (97)
Fuel Oxygenates	
Di-isopropyl ether	EPA 8260C
Ethanol	EPA 8260C
Methyl tert-butyl ether	EPA 8260C

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Fuel Oxygenates	
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	
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

Low Level Polynuclear Aromatics	
Naphthalene Low Level	EPA 8270D SIM
Mineral	
Acidity	SM 18-21 2310B,4a (97)
Alkalinity	SM 18-21 2320B (97)
Chloride	EPA 300.0 Rev. 2.1
	SM 18-21 4500-Cl- E (97)
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 18-21 4500-F C (97)
Hardness, Total	EPA 200.7 Rev. 4.4
	SM 18-21 2340B (97)
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
	SM 15 426 C
Nitroaromatics and Isophorone	
1,3,5-Trinitrobenzene	EPA 8330
1,3-Dinitrobenzene	EPA 8270D
	EPA 8330
2,4,6-Trinitrotoluene	EPA 8330
2,4-Dinitrotoluene	EPA 625
	EPA 8270D
	EPA 8330
2,6-Dinitrotoluene	EPA 625
	EPA 8270D
	EPA 8330
2-Amino-4,6-dinitrotoluene	EPA 8330
2-Nitrotoluene	EPA 8330

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

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:

Nitroaromatics and Isophorone	
3-Nitrotoluene	EPA 8330
4-Amino-2,6-dinitrotoluene	EPA 8330
4-Nitrotoluene	EPA 8330
Hexahydro-1,3,5-trinitro-1,3,5-triazine	EPA 8330
Isophorone	EPA 625
	EPA 8270D
Methyl-2,4,6-trinitrophenylnitramine	EPA 8330
Nitrobenzene	EPA 625
	EPA 8270D
	EPA 8330
Octahydro-tetranitro-tetrazocine	EPA 8330
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)	EPA 350.1 Rev. 2.0
	SM 18 4500-NH3 H
Kjeldahl Nitrogen, Total	EPA 351.1 Rev. 1978
	LACHAT 10-107-06-2
Nitrate (as N)	EPA 300.0 Rev. 2.1
	EPA 353.2 Rev. 2.0

Nutrient	
Nitrate (as N)	SM 18-21 4500-NO3 F (00)
Nitrite (as N)	SM 18-21 4500-NO2 B (00)
Orthophosphate (as P)	SM 18-21 4500-P E
Phosphorus, Total	SM 18-21 4500-P E
Organophosphate Pesticides	
Atrazine	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 608

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
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Polychlorinated Biphenyls	
PCB-1016	EPA 8082A
PCB-1221	EPA 608 EPA 8082A
PCB-1232	EPA 608 EPA 8082A
PCB-1242	EPA 608 EPA 8082A
PCB-1248	EPA 608 EPA 8082A
PCB-1254	EPA 608 EPA 8082A
PCB-1260	EPA 608 EPA 8082A
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A
Polynuclear Aromatics	
Acenaphthene	EPA 625 EPA 8270D
Acenaphthylene	EPA 625 EPA 8270D
Anthracene	EPA 625 EPA 8270D
Benzo(a)anthracene	EPA 625 EPA 8270D
Benzo(a)pyrene	EPA 625

Polynuclear Aromatics	
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 625 EPA 8270D
Benzo(ghi)perylene	EPA 625 EPA 8270D
Benzo(k)fluoranthene	EPA 625 EPA 8270D
Chrysene	EPA 625 EPA 8270D
Dibenzo(a,h)anthracene	EPA 625 EPA 8270D
Fluoranthene	EPA 625 EPA 8270D
Fluorene	EPA 625 EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 625 EPA 8270D
Naphthalene	EPA 625 EPA 8270D
Phenanthrene	EPA 625 EPA 8270D
Pyrene	EPA 625 EPA 8270D
Priority Pollutant Phenols	
2,3,4,6 Tetrachlorophenol	EPA 8270D

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Priority Pollutant Phenols	
2,4,5-Trichlorophenol	EPA 625
	EPA 8270D
2,4,6-Trichlorophenol	EPA 625
	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

Priority Pollutant Phenols	
Phenol	EPA 625
	EPA 8270D
Residue	
Solids, Total	SM 18-21 2540B (97)
Solids, Total Dissolved	SM 18-21 2540C (97)
Solids, Total Suspended	SM 18-21 2540D (97)
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 624
	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below.

Volatile Aromatics	
1,3-Dichlorobenzene	EPA 624
	EPA 8260C
1,4-Dichlorobenzene	EPA 624
	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 624
	EPA 8260C
Chlorobenzene	EPA 624
	EPA 8260C
Ethylbenzene	EPA 624
	EPA 8260C
Isopropylbenzene	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 624
	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 624
	EPA 8260C
Total Xylenes	EPA 624
	EPA 8260C

Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 624
	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 624
	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 624
	EPA 8260C
1,1-Dichloroethane	EPA 624
	EPA 8260C
1,1-Dichloroethene	EPA 624
	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8011
	EPA 8260C
1,2-Dibromoethane	EPA 8011
	EPA 8260C
1,2-Dichloroethane	EPA 624
	EPA 8260C
1,2-Dichloropropane	EPA 624
	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 624
	EPA 8260C

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
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Volatile Halocarbons

Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 624
	EPA 8260C
Bromoform	EPA 624
	EPA 8260C
Bromomethane	EPA 624
	EPA 8260C
Carbon tetrachloride	EPA 624
	EPA 8260C
Chloroethane	EPA 624
	EPA 8260C
Chloroform	EPA 624
	EPA 8260C
Chloromethane	EPA 624
	EPA 8260C
cis-1,2-Dichloroethene	EPA 624
	EPA 8260C
cis-1,3-Dichloropropene	EPA 624
	EPA 8260C
Dibromochloromethane	EPA 624
	EPA 8260C
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 624
	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 624

Volatile Halocarbons

Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 624
	EPA 8260C
trans-1,2-Dichloroethene	EPA 624
	EPA 8260C
trans-1,3-Dichloropropene	EPA 624
	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 624
	EPA 8260C
Trichlorofluoromethane	EPA 624
	EPA 8260C
Vinyl chloride	EPA 624
	EPA 8260C

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

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below.

Volatiles Organics

Vinyl acetate	EPA 8260C

Wastewater Metals I

Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Calcium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Iron, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
	EPA 6020A
Lead, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Wastewater Metals I

Lead, Total	EPA 6010C
	EPA 6020A
Magnesium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Manganese, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Potassium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Sodium, Total	EPA 200.7 Rev. 4.4
	EPA 6010C

Wastewater Metals II

Aluminum, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
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Wastewater Metals II	
Antimony, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Arsenic, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Chromium VI	EPA 7196A
	SM 18-19 3500-Cr D
Mercury, Total	EPA 245.1 Rev. 3.0
	EPA 7470A
Selenium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Vanadium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Wastewater Metals II	
Zinc, Total	EPA 6010C
	EPA 6020A
Wastewater Metals III	
Cobalt, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Molybdenum, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
Thallium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010C
	EPA 6020A
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
Color	SM 18-21 2120B (01)
Cyanide, Total	SM 18-21 4500-CN E (99)
Formaldehyde	EPA 8315A

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Wastewater Miscellaneous

Oil and Grease Total Recoverable (HEM	EPA 1664A
Organic Carbon, Total	SM 18-21 5310C (00)
Phenols	EPA 420.1 Rev. 1978
	SM 14 510C
Silica, Dissolved	EPA 200.7 Rev. 4.4
Specific Conductance	EPA 120.1 Rev. 1982
	SM 18-21 2510B (97)
Sulfide (as S)	SM 18-21 4500-S D (00)
Surfactant (MBAS)	SM 18-21 5540C (00)
Total Petroleum Hydrocarbons	EPA 1664A

Sample Preparation Methods

EPA 3005A
EPA 3015
EPA 3510C
EPA 5030B
EPA 9010C
EPA 9030B
SM 18-20 4500-CN C
SM 18-21 4500-NH3 B (97)

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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 1010A
	EPA 1030
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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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

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
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
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
Low Level Polynuclear Aromatic Hydrocarbons	
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
Chromium, Total	EPA 6010C EPA 6020A
Copper, Total	EPA 6010C EPA 6020A
Iron, Total	EPA 6010C EPA 6020A
Lead, Total	EPA 6010C EPA 6020A
Magnesium, Total	EPA 6010C

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

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:

Metals I	
Manganese, Total	EPA 6010C
	EPA 6020A
Nickel, Total	EPA 6010C
	EPA 6020A
Potassium, Total	EPA 6010C
Silver, Total	EPA 6010C
	EPA 6020A
Sodium, Total	EPA 6010C
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
	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 9012B
	EPA 9014
Formaldehyde	EPA 8315A
Phenols	EPA 9065
Specific Conductance	EPA 9050A
Nitroaromatics and Isophorone	
1,3,5-Trinitrobenzene	EPA 8330
1,3-Dinitrobenzene	EPA 8330
2,4,6-Trinitrotoluene	EPA 8330
2,4-Dinitrotoluene	EPA 8270D
	EPA 8330
2,6-Dinitrotoluene	EPA 8270D

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Nitroaromatics and Isophorone	
2,6-Dinitrotoluene	EPA 8330
2-Amino-4,6-dinitrotoluene	EPA 8330
2-Nitrotoluene	EPA 8330
3-Nitrotoluene	EPA 8330
4-Amino-2,6-dinitrotoluene	EPA 8330
4-Nitrotoluene	EPA 8330
Hexahydro-1,3,5-trinitro-1,3,5-triazine	EPA 8330
Isophorone	EPA 8270D
Methyl-2,4,6-trinitrophenylnitramine	EPA 8330
Nitrobenzene	EPA 8270D
	EPA 8330
Octahydro-tetranitro-tetrazocine	EPA 8330
Pyridine	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	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
Phthalate Esters	
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 8082A
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082
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

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Polynuclear Aromatic Hydrocarbons	
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
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

Semi-Volatile Organics	
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
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
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C

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8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Volatile Aromatics	
n-Propylbenzene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
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

Volatile Halocarbons	
Bromodichloromethane	EPA 8260C
Bromoform	EPA 8260C
Bromomethane	EPA 8260C
Carbon tetrachloride	EPA 8260C
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

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8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Volatile Organics

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 8260B
	EPA 8260C
Methyl tert-butyl ether	EPA 8260C
tert-butyl alcohol	EPA 8260C
Vinyl acetate	EPA 8260C

Sample Preparation Methods

EPA 3005A
EPA 3050B
EPA 3540C
EPA 3546
EPA 3580A
EPA 5035A-H
EPA 5035A-L
EPA 9010C
EPA 9030B

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WADSWORTH CENTER

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Revised April 18, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627

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:

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
Pyridine	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
3,3'-Dimethylbenzidine	EPA 8270D
Benzidine	EPA 8270D
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Chlorinated Hydrocarbon Pesticides	
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	
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Hexachloropropene	EPA 8270D
Dissolved Gases	
Ethane	RSK-175
Ethene (Ethylene)	RSK-175
Methane	RSK-175
Propane	RSK-175

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MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No: 11627

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:

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 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	
Alkalinity	SM 18-21 2320B (97)

Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270D
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Organophosphate Pesticides	
Atrazine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015D
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-118	EPA 8082A
PCB-128	EPA 8082A
PCB-1016	EPA 8082A

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320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No. 11627

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

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
Polynuclear Aromatics	
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
Priority Pollutant Phenols	
2,3,4,6-Tetrachlorophenol	EPA 8270D

Priority Pollutant Phenols	
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
Residue	
Solids, Total Suspended	SM 18-21 2540D (97)
Semi-Volatile Organics	
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
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D

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MR. JOSEPH L. WATKINS
ALPHA ANALYTICAL
320 FORBES BOULEVARD
MANSFIELD, MA 02048

NY Lab Id No. 11627

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:

Semi-Volatile Organics

Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D

Wastewater Metals I

Barium, Total	EPA 6020A
Cadmium, Total	EPA 6020A
Chromium, Total	EPA 6020A
Copper, Total	EPA 6020A
Iron, Total	EPA 6020A
Lead, Total	EPA 6020A
Manganese, Total	EPA 6020A
Nickel, Total	EPA 6020A
Silver, Total	EPA 6020A
Strontium, Total	EPA 6020A

Wastewater Metals II

Aluminum, Total	EPA 6020A
Antimony, Total	EPA 6020A
Arsenic, Total	EPA 6020A
Beryllium, Total	EPA 6020A
Mercury, Low Level	EPA 1631E
Mercury, Total	EPA 7470A
Selenium, Total	EPA 6020A
Vanadium, Total	EPA 6020A
Zinc, Total	EPA 6020A

Wastewater Metals III

Cobalt, Total	EPA 6020A
Molybdenum, Total	EPA 6020A
Thallium, Total	EPA 6020A

Wastewater Miscellaneous

Specific Conductance	EPA 9050A
Turbidity	EPA 180.1 Rev. 2.0

Sample Preparation Methods

	EPA 3020A
	EPA 351DC

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

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
TCLP	EPA 1311
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Chlorinated Hydrocarbon Pesticides	
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
Pentachloronitrobenzene	EPA 8270D
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D
2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D
Hexachloropropene	EPA 8270D
Haloethers	
4-Bromophenylphenyl ether	EPA 8270D

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Haloethers	
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
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 6020A
Cadmium, Total	EPA 6020A
Chromium, Total	EPA 6020A
Metals I	
Copper, Total	EPA 6020A
Iron, Total	EPA 6020A
Lead, Total	EPA 6020A
Manganese, Total	EPA 6020A
Nickel, Total	EPA 6020A
Silver, Total	EPA 6020A
Metals II	
Aluminum, Total	EPA 6020A
Antimony, Total	EPA 6020A
Arsenic, Total	EPA 6020A
Beryllium, Total	EPA 6020A
Mercury, Total	EPA 7471B
	EPA 7474
Selenium, Total	EPA 6020A
Vanadium, Total	EPA 6020A
Zinc, Total	EPA 6020A
Metals III	
Cobalt, Total	EPA 6020A
Molybdenum, Total	EPA 6020A
Thallium, Total	EPA 6020A
Miscellaneous	
Organic Carbon, Total	EPA 9060
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270D

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Nitroaromatics and Isophorone	
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
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015D
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-1	EPA 8082A
PCB-1016	EPA 8082A
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
Polychlorinated Biphenyls	
PCB-1254	EPA 8082A
PCB-1260	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
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

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below

Priority Pollutant Phenols		Sample Preparation Methods
2,4-Dinitrophenol	EPA 8270D	EPA 3580A
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		
1,2-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	
Benzoic Acid	EPA 8270D	
Benzyl alcohol	EPA 8270D	
Dibenzofuran	EPA 8270D	
Sample Preparation Methods		
	EPA 3050B	
	EPA 3051A	
	EPA 3510C	
	EPA 3570	

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ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:

Acrylates	
Acetonitrile	EPA TO-15
Acrylonitrile	EPA TO-15
Methyl methacrylate	EPA TO-15
Chlorinated Hydrocarbons	
1,2,4-Trichlorobenzene	EPA TO-15
Hexachlorobutadiene	EPA TO-15
Polychlorinated Biphenyls	
PCB-1016	EPA TO-10A
PCB-1221	EPA TO-10A
PCB-1232	EPA TO-10A
PCB-1242	EPA TO-10A
PCB-1248	EPA TO-10A
PCB-1254	EPA TO-10A
PCB-1260	EPA TO-10A
PCB-1262	EPA TO-10A
PCB-1268	EPA TO-10A
Polynuclear Aromatics	
Naphthalene	EPA TO-15
Purgeable Aromatics	
1,2,4-Trimethylbenzene	EPA TO-15
1,2-Dichlorobenzene	EPA TO-15
1,3,5-Trimethylbenzene	EPA TO-15
1,3-Dichlorobenzene	EPA TO-15
1,4-Dichlorobenzene	EPA TO-15

Purgeable Aromatics	
2-Chlorotoluene	EPA TO-15
Benzene	EPA TO-15
Chlorobenzene	EPA TO-15
Ethyl benzene	EPA TO-15
Isopropylbenzene	EPA TO-15
m/p-Xylenes	EPA TO-15
o-Xylene	EPA TO-15
Styrene	EPA TO-15
Toluene	EPA TO-15
Total Xylenes	EPA TO-15
Purgeable Halocarbons	
1,1,1-Trichloroethane	EPA TO-15
1,1,2,2-Tetrachloroethane	EPA TO-15
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA TO-15
1,1,2-Trichloroethane	EPA TO-15
1,1-Dichloroethane	EPA TO-15
1,1-Dichloroethene	EPA TO-15
1,2-Dibromo-3-chloropropane	EPA TO-15
1,2-Dibromoethane	EPA TO-15
1,2-Dichloroethane	EPA TO-15
1,2-Dichloropropane	EPA TO-15
3-Chloropropene (Allyl chloride)	EPA TO-15
Bromodichloromethane	EPA TO-15
Bromoform	EPA TO-15
Bromomethane	EPA TO-15

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ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:

Purgeable Halocarbons	
Carbon tetrachloride	EPA TO-15
Chloroethane	EPA TO-15
Chloroform	EPA TO-15
Chloromethane	EPA TO-15
cis-1,2-Dichloroethene	EPA TO-15
cis-1,3-Dichloropropene	EPA TO-15
Dibromochloromethane	EPA TO-15
Dichlorodifluoromethane	EPA TO-15
Methylene chloride	EPA TO-15
Tetrachloroethene	EPA TO-15
trans-1,2-Dichloroethene	EPA TO-15
trans-1,3-Dichloropropene	EPA TO-15
Trichloroethene	EPA TO-15
Trichlorofluoromethane	EPA TO-15
Vinyl bromide	EPA TO-15
Vinyl chloride	EPA TO-15
Volatile Chlorinated Organics	
Benzyl chloride	EPA TO-15
Volatile Organics	
1,2-Dichlorotetrafluoroethane	EPA TO-15
1,3-Butadiene	EPA TO-15
1,4-Dioxane	EPA TO-15
2,2,4-Trimethylpentane	EPA TO-15
2-Butanone (Methylethyl ketone)	EPA TO-15
Acetaldehyde	EPA TO-15

Volatile Organics	
Acetone	EPA TO-15
Carbon Disulfide	EPA TO-15
Cyclohexane	EPA TO-15
Hexane	EPA TO-15
Isopropanol	EPA TO-15
Methanol	EPA TO-15
Methyl tert-butyl ether	EPA TO-15
n-Heptane	EPA TO-15
tert-butyl alcohol	EPA TO-15
Vinyl acetate	EPA TO-15

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