

April 30, 2014

DRAFT

REMEDIAL INVESTIGATION REPORT

**Former Paragon Paint and Varnish Company
Manufacturing Facility
BCP Site Number C241108
5-43 to 5-49 46th Avenue and
45-38 Vernon Boulevard to
45-40 Vernon Boulevard
Long Island City, New York**

Prepared for

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LIST OF ACRONYMS

µg/kg	Micrograms per Kilogram
µg/L	Micrograms per Liter
AOCs	Areas of Concern
AST	Aboveground Storage Tank
AWQSGVs	Ambient Water Quality Standards and Guidance Values
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
BLS	Below Land Surface
BNA	Base Neutral Acids
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CVOCs	Chlorinated Volatile Organic Compounds
DER-10	NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation
DUSR	Data Usability Summary Report
EA	Exposure Assessment
ELAP	Environmental Laboratory Approval Program
FSP	Field Sampling Plan
HASP	Health and Safety Plan
IRM	Interim Remedial Action
LNAPL	Light Non-aqueous Phase Liquid
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
MW	Monitoring Well
NTUs	Nephelometric Turbidity Units
NYCRR	New York Codes, Rules and Regulations
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
ORP	Oxidation – Reduction Potential
PAHs	Polycyclic Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls

LIST OF ACRONYMS (Continued)

PID	Photo Ionization Detector
PPE.....	Personal Protective Equipment
PVC.....	Polyvinyl Chloride
QAPP	Quality Assurance Project Plan
RAWP	Remedial Action Work Plan
RI.....	Remedial Investigation
RIR.....	Remedial Investigation Report
RIWP.....	Remedial Investigation Work Plan
SCOs	Soil Cleanup Objectives
SVOCs	Semivolatile Organic Compounds
TAL.....	Target Analyte List
TCL	Target Compound List
TDS	Total Dissolved Solids
USEPA.....	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
VOCs.....	Volatile Organic Compounds

CERTIFICATION

I, Joseph D. Duminuco, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Signature

Date

1.0 INTRODUCTION

Roux Associates, Inc. (Roux Associates), on behalf of Vernon 4540 Realty, LLC (Vernon 4540), has prepared this Remedial Investigation Report (RIR) for the property identified as the former Paragon Paint and Varnish Company manufacturing facility located at 5-43 to 5-49 46th Avenue and 45-38 to 45-40 Vernon Boulevard (Tax Block 26, Lot 4) in Long Island City, State of New York (Site). The Site location is shown on Figure 1. All remedial investigation (RI) activities were completed in accordance with the February 7, 2013 New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Investigation Work Plan (RIWP), NYSDEC's January 15, 2014 email approving necessary modifications to the RIWP, the draft Brownfield Cleanup Program (BCP) Guide (May 2004) and the DER-10 Technical Guidance for Site Investigation and Remediation (May 2010) issued by NYSDEC. The objectives of the RI were to determine the nature and extent of contamination at the Site, characterize environmental media at the Site, qualitatively assess the potential exposure of receptors to Site contaminants, and generate sufficient data necessary to support the development of a Remedial Action Work Plan (RAWP). Future plans for the Site include multi-level, mixed use development including ground level retail space with residential space above.

Results of the RI indicate that soil and groundwater exceedances are limited and are largely restricted to polycyclic aromatic hydrocarbons (PAHs) and metals commonly associated with historic fill. The potential for vapor intrusion will be addressed as part of the redevelopment of the Site; therefore, light non-aqueous phase liquid (LNAPL) is the primary concern at the Site.

The Site was accepted into the BCP, and the Brownfield Cleanup Agreement (BCA) was signed on September 4, 2008. Site Number C241108 has been assigned.

1.1 RIR Document Organization

This Remedial Investigation Report contains a background section (Section 2) describing the Site, its history, and results of previous environmental investigations; a Conceptual Site Model section (Section 3) explaining the occurrence of contaminant sources and their fate and transport at the Site in the context of the local Site stratigraphy and hydrogeology; a section describing the completed field work activities (Section 4); a section summarizing the RI findings (Section 5); a qualitative exposure assessment that evaluates exposures to contaminated media including soil and

groundwater (Section 6); and conclusions (Section 7). Additionally, tables are provided that summarize all RI data. Finally, maps are also provided to illustrate Site location, locations and results of sampling efforts, and geologic cross-sections.

2.0 BACKGROUND

This section provides pertinent background information, including a description of the Site and its setting, the known history of the Site, and the results of previous environmental investigations completed at the Site.

2.1 Site Description and Setting

The Site is located at 5-43 to 5-49 46th Avenue and 45-38 to 45-40 Vernon Boulevard in Long Island City, New York. The New York City Tax Map identifies the Site as Block 26, Lot Number 4. The Site consists of an approximately 33,150-square foot lot improved by one four story former paint factory building, one three story former garage and office, one three story former warehouse, one 1-story shed and a concrete paved access road off 46th Avenue and a rear courtyard that fronts approximately 60 feet of Anable Basin. The buildings were reportedly constructed between 1923 and 1947. A Site Plan is included as Figure 2.

The gross square footage of the on-Site buildings is approximately 69,500 square feet. Floors two through four of the former paint factory building contain the bulk of the paint and varnish manufacturing equipment and bulk liquid mixing tanks including multiple (65) aboveground storage tanks (ASTs) and a significant amount of piping. The one-story shed which is attached to the former paint factory building contains a boiler room and a historical varnish cooking pot room that is currently empty. A 2006 Phase II Environmental Site Assessment completed by AKRF Inc. (AKRF) reported that seven underground varnish cooking pots were located beneath the concrete slab of the shed; however, during RI activities only six were confirmed. Additionally, three underground storage tanks (USTs) were previously reported (described as dished USTs) to be located under, or in the vicinity of the shed. None of the three dished USTs were located during the RI, details are provided in Section 4. The three-story building known as the garage contains offices, a former small paint laboratory and storage space. Eleven USTs were reported to be located beneath the concrete slab of the garage. The three-story building known as the warehouse stored raw materials and paint products.

The courtyard is concrete paved and is reported to contain nine USTs. Seven USTs were accessed and inspected during the RI (access could not be gained to UST-7, and UST CT-8 could not be confirmed as its vault was observed to only contain piping); details are provided in Section 4.

Vehicular access is provided by a concrete paved access road off 46th Avenue, which is reported to contain two USTs.

Most of the USTs located in the courtyard have been previously reported to be 20,000-gallons in capacity; however, when preparing the scaled Site Plan (Figure 2) the length of the USTs observed in the courtyard are inconsistent with 20,000-gallon USTs with a 10 foot diameter (as measured during the RI). Furthermore, in their 2006 Phase II Summary Report, AKRF notes that the total known capacity of the USTs at the Site is 95,000 gallons; however, this contradicts the capacity of the USTs as noted on figure 2 of the of the Phase II Summary Report which depicts eight 20,000-gallon USTs, one 10,000-gallon UST, one 4,400-gallon UST and three 550-gallon USTs in addition to two 1,200-gallon and one 2,000-gallon dished UST (total capacity depicted is 180,450 gallons). The above suggests that the previously reported capacities of the USTs at the Site is questionable; however, sufficient evidence does not exist to definitively revise the noted capacity of the USTs, additional evaluation is necessary for proper closure and will be addressed in the RAWP.

The elevation of the Site is approximately seven feet above mean sea level as shown in the United States Geological Survey (USGS) 7.5 Minute Series Topographic Map – Brooklyn Quadrangle (Figure 1). The Site topography slopes gently to the northwest toward Anable Basin. Depth to water at the Site ranges from approximately 6 to 13 feet below land surface (bls). The regional groundwater flow direction is to the west. Local groundwater flows generally toward the west based on water level information collected during the RI.

Approximately 5 to 11 feet of fill material is underlain by layered glacial deposits that consist of poorly sorted sand, silt and gravel in a sand matrix. Most areas consist primarily of fine to medium sands, with various amounts of silt and lesser amounts of coarse sand and gravel. Peat was observed in thin lenses at a number of borings completed during the RI ranging in depth from approximately 8 to 15 feet bls and was often observed in a silt or sand matrix. Bedrock was encountered during the RI at depths ranging from 25 to 16 feet bls.

2.2 Site History

According to available sources the earliest noted development at the Site, as indicated on the 1898 historical Sanborn fire insurance map, consists of a one to three-story building identified as the Ward and Companies Lard Oil Works building. The current day four-story paint factory building was originally constructed in 1923. By 1936, the Site, partially occupied by Paragon consists of the paint factory building, the shed, and the warehouse building identified as “Chalk Products Company”. The 1947 historical Sanborn shows the Site much as it exists today and wholly occupied by Paragon. Paragon owned and operated the Site as a paint manufacturing facility until 1998. Since then the Site has been unutilized.

2.3 Site Environmental Conditions

Previous investigations performed at the Site have documented the existence of several Areas of Concern (AOCs). The following section provides a brief overview of the results of previous environmental investigations at the Site. More detailed information regarding these investigations was previously reported in the RIWP dated February 7, 2013, and the Phase I Environmental Site Assessment dated July 21, 2011. Previous investigations were performed by AKRF.

Prior investigations identified LNAPL in several monitoring wells in addition to multiple contaminants of concern (COCs) including petroleum related volatile organic compounds (VOCs) in soil and groundwater likely attributable to historic Site operations. Several semivolatile organic compounds (SVOCs), primarily PAHs, were detected in shallow soil at the Site along with several metals likely attributable to historic fill used to grade the Site. There were no polychlorinated biphenyls (PCBs) or pesticides detected in soil or groundwater samples.

During previous investigations, AKRF detected hydrocarbon related VOCs, alcohol, and solvent-related compounds in sub-slab vapor and indoor air samples collected at the Site. The detected concentrations in the sub-slab vapor samples were generally higher than the corresponding ambient air samples, but overall the concentrations were consistent. Soil vapor sampling was not completed during this RI; potential soil vapor issues will be addressed during the implementation of the RAWP.

2.4 Areas of Concern

Based on the previous investigations conducted at the Site, the following AOCs were identified for further investigation and delineation as part of the RI. This RI report addresses sampling of soil, and groundwater to characterize the nature and extent of the impacts identified during previous investigations, these areas of concern include the following:

LNAPL Observed in multiple monitoring wells

LNAPL had been observed in monitoring wells located in the courtyard (MW-8, MW-12 and MW-13), in the driveway (MW-9), under the shed (MW-6) and under the warehouse (MW-7). The distribution of the LNAPL suggests that two LNAPL plumes may exist at the Site. One that consists of mineral spirits and originated from the USTs located in the courtyard and extends under the shed, under the warehouse and to the western Site border. The second LNAPL plume is located in the driveway and likely originated from the fuel oil USTs located at the entrance of the driveway (although hydrocarbon fingerprinting analysis indicated that the LNAPL from MW-9 consists of both mineral spirits and fuel oil).

Widespread Hydrocarbon Contamination in Shallow Soil

Several VOC compounds were detected in soil borings throughout the Site, including areas beneath the paint factory and warehouse building. The degree of contamination was found to be more evident at the water table and in areas surrounding the USTs.

Site-wide Historic Fill Material

Previous investigations detected metals and SVOCs, primarily PAHs, in soil samples collected from shallow sample intervals. This is not unexpected given the Site's proximity to the East River, fill material would have been used to level the Site and bring it to the current grade. Site redevelopment plans do not include the excavation of fill across the Site. Therefore during the RI, Roux Associates collected shallow soil samples in each soil boring to evaluate historic fill across the Site.

Hydrocarbon Contamination in Groundwater

Previous investigations identified exceedances of NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs) of various VOCs in monitoring wells MW-4 and MW-7. However, it was noted that the relatively high laboratory reporting limits for the groundwater data

may have masked additional compounds in other wells. Therefore, Roux Associates installed an extensive monitoring well network to evaluate dissolved hydrocarbon contamination in groundwater.

3.0 CONCEPTUAL SITE MODEL

Based on the results of previous investigations and data collected during this RI, impacts related to historical Site operations appear primarily limited to an accumulation of LNAPL. Additionally, impacts related to the use of historic fill have been identified. Thirty one USTs are known to exist at the Site (and there may be additional unknown/unreported USTs). The sizes of all the USTs are not known, however the reported sizes range from 550 gallons to 20,000 gallons, with a total capacity of over 175,000 gallons (based on previously reported UST capacities). The majority of the USTs are believed to be steel construction. Based on the reported sizes and the shallow water table at the Site, some of the USTs may be in contact with groundwater. The majority of USTs beneath the buildings have conveyance pipes in concrete pipe trenches and there was no evidence of releases observed during a preliminary inspection. The conveyance pipes from the USTs in the courtyard are below grade and are not visible for inspection. The USTs and conveyance pipes handled liquid raw materials for the manufacture of paints and varnishes for decades. Based on past operational data, the liquids may have included mineral spirits, Stoddard solvents, No. 2 fuel oil, kerosene, varnoline, linseed oil, fish oil, slay alkyd, and xylenes among others. No documentation has been found regarding UST integrity.

The entire Site is covered either by the concrete floor slabs of the buildings or the concrete courtyard. There was very little staining observed on the concrete, indicating that surface spills or overfilling of the USTs were not significant sources of contamination. Therefore, releases from the USTs and/or outdoor underground conveyance pipes are the most likely source(s) of subsurface contamination.

4.0 RI FIELD ACTIVITIES

The RI field investigation activities performed by Roux Associates were completed in accordance with the RIWP, email correspondence modifying the scope and associated project plans [Health and Safety Plan (HASP), Field Sampling Plan (FSP), and Quality Assurance Project Plan (QAPP)] and included:

- Installation of 37 soil borings;
- 10 new monitoring wells were installed including eight water table monitoring wells (screened across the water table interface) and two deep groundwater monitoring wells (screened from the top of bedrock);
- Four existing monitoring wells were replaced with monitoring wells appropriately screened to allow for LNAPL monitoring;
- The contents of accessible USTs were quantified, and, if found to contain LNAPL – characterized through fingerprinting analysis;
- Exploratory excavation was completed under the shed slab to determine the nature and construction of the underground varnish cooking pots; and
- New and existing monitoring wells were developed, gauged and sampled. When a monitoring well was observed to contain LNAPL, the LNAPL was collected for fingerprinting analysis.

The aforementioned field activities completed during the RI are discussed in the following subsections.

Prior to the advancement of the soil borings and monitoring wells, utility clearances were performed utilizing hand digging techniques (i.e., no vacuum assisted excavation was performed) to 5 ft bls at each location to verify that no subsurface utilities were present.

4.1 UST Inventory

Courtyard and Garage

The UST inventory and LNAPL sampling task was initiated on April 15, 2013. Accessible USTs were opened and gauged; LNAPL within the USTs (if present) was collected for fingerprinting analysis. Eleven USTs in the garage and seven USTs in the courtyard were accessed and inspected. An additional twelfth UST was observed in the garage which was opened and inspected and determined to be a former pneumatic tank and is therefore not discussed further herein.

Upon accessing each of the USTs an electronic oil/water interface probe capable of detecting an LNAPL thickness of 0.01 feet was used to determine the depth to liquids/materials in the UST as well as to determine depth of the bottom of the UST. If LNAPL was observed in the USTs a sample of the LNAPL was collected for fingerprinting analysis. Of the 18 USTs accessed, three were observed to be empty (GT-3, GT-4, and GT-5), nine were observed to contain only water (CT-2, CT-3, CT-5, CT-6, CT-9, GT-1, GT-7, GT-9 and GT-11) and six were observed to contain LNAPL (CT-1, CT-4, GT-2, GT-6, GT-8 and GT-10). Of the six that contained LNAPL two were observed to contain a mixture of LNAPL and water (CT-1 and CT-4) and four were observed to contain only LNAPL (GT-2, GT-6, GT-8 and GT-10). Note that when opened, the vault for CT-8 was found to only contain pipes and did not provide access to a UST, as such the presence of UST CT-8 could not be confirmed and will be further addressed in the RAWP. The pipe vault (referred to as CT-8), which was determined to have a solid bottom was observed to contain LNAPL which was collected for laboratory analysis.. Results of the UST inventory are tabulated on Table 1. Laboratory analytical results of the LNAPL fingerprinting are discussed in Section 5.0.

Following the UST inventory inspection an Interim Remedial Measure (IRM) Work Plan was submitted to NYSDEC on May 31, 2013 which proposed removing recoverable LNAPL. LNAPL was subsequently removed from USTs CT-1, CT-4, and GT-2. In accordance with the May 31st IRM Work Plan, LNAPL was not removed from USTs GT-6, GT-8 and GT-10 due to the material within these USTs extremely high viscosity which prevented vacuum extraction. The high viscosity of this material means it is not a threat of release and it will therefore be addressed at a later date.

In anticipation of performing pilot testing of dual phase high vacuum extraction technology, immediately following RI activities, an attempt was made by Roux Associates to install monitoring wells proximate to MW-8 (installed by others) located in the court yard near the USTs. Multiple attempts to install these wells failed due to shallow refusal (concrete) encountered to the east, west and south of MW-8. Additionally, MW-23 a well installed in accordance with the RIWP north of MW-8 had to be relocated a few feet further north due to concrete refusal encountered at approximately 11 feet bls. This concrete refusal encountered on all sides of MW-8 may indicate that MW-8 is located in a concrete vault possibly associated with the USTs. An

investigation to determine that nature of the concrete around MW-8 will be proposed in a Supplemental Work Plan.

Underground Varnish Cooking Pots

Included in the UST inventory task was exploratory excavation under the shed slab to determine the nature and condition of the seven underground varnish cooking pots previously reported to be located there. On May 1, 2013 Metro Environmental Contracting Corp. (Metro) of Lindenhurst New York utilized a mini excavator to break up the concrete slab and remove the overburden in the area above the pots. In total, six pot structures were located; the excavation was extended to both the north and south; however, a seventh pot was not located and may not ever have existed. Furthermore, as described below, the structures observed are more appropriately described as pot holders as it does not appear that they themselves were ever capable of holding fluids and it is more likely a pot was inserted into the structures observed.

The tops of each of the pot structures are located approximately two feet below the concrete slab, are round, approximately 2.5 feet in diameter and are approximately 2.5 feet deep (from the top of the structure). They all consist of a concrete collar made of bricks on top of a structure which was observed to be made of either brick (three) or concrete (three). All were observed to have a concrete bottom.

Each of the structures was observed to be backfilled with fill including demolition debris. No staining was observed on the sides and/or bottoms, nor was there a photoionization detector (PID) response or any odors observed from the backfilled materials. Due to mechanical limitations inherent with the mini-excavator, the bottom of the structures could not be penetrated; however, the sides were penetrated, soil from around them was screened with a PID, no response was observed.

The porous nature of the observed brick construction indicates that these structures are external holders and that the varnish was cooked in a separate pot held by the bricks, and that the pot(s) itself was previously removed. This is further supported by the lack of staining on the brick surface. Photographs of the structures are included as Appendix A.

Dished USTs

Immediately following the exploratory excavation of the underground varnish cooking pots, test pitting was performed to identify the three dished USTs reported to be located in the vicinity of the shed and boiler room. None of the three dished USTs were located; verification of the presence or absence of the reported dished USTs will be addressed in the RAWP. The depth of the excavation was limited due to the physical limitations associated with using the mini-excavator, which was necessary due to the space limitations posed by performing the excavation inside the shed. It is possible the dished USTs are buried deeper than the mini-excavator was able to achieve. Note that evidence (fill and vent line) of a UST was observed under the boiler (Figure 2). Due to its proximity to the boiler it is believed that this UST likely supplied fuel oil to the boiler and is not one of the purported dished USTs. Dished USTs were presumably pressurized raw material USTs, and not the type of UST that supplies heating fuel oil.

4.2 Soil Boring and Sampling Activities

A total of 37 soil borings were completed during the RI (14 of the 37 soil borings were converted to monitoring wells) between December 16, 2013 and January 21, 2014. With the exception of the borings located in the warehouse basement (B-22 through B-27, MW-7R and MW-19) a direct push Geoprobe[®] drill rig was used to install the soil borings. Borings located in the warehouse basement were installed using a hand auger. The terminal depth of the soil borings ranged between 6 and 26.5 ft bls. Prior to subsurface activity, soil boring locations were hand cleared for utilities and USTs using soft digging techniques to a depth of five feet bls. Shallow soil samples (samples collected within the first five feet) were collected using a hand auger. Soil boring logs are provided in Appendix B. A Generalized Geologic Cross Section is provided as Plate 4. Soil boring locations are shown on Figure 2.

During soil boring activities, soil lithology was recorded and the soil samples were screened for impacts using visual and olfactory observations. Additionally, a PID was used to screen each soil sample for VOCs. Soil samples were collected continuously at each soil boring location using a 5-foot macro core sampler via the Geoprobe[®] drill (or by hand auger as with the borings located in the warehouse basement) from five feet bls to seven feet below the water table. In the event that impacted soils were identified, the borings were advanced until impacts were no longer observed (i.e., clean soil) or refusal/bedrock was encountered.

In accordance with the RIWP three or four soil samples were collected (per soil boring) and submitted for laboratory analysis. Soil samples were collected in the following manner:

Soil samples collected in the event no impacts were observed:

- A soil sample from 0-2 feet below land surface or below the concrete floor;
- The depth interval just above the observed water table; and
- A soil sample from the terminal depth of each boring.

If impacts were observed the following samples were collected for analysis:

- A soil sample from 0-2 feet below the surface or below the concrete floor;
- The depth interval just above the observed water table;
- The sample that exhibited the highest field screening results for VOCs (via PID, visual and/or olfactory observations); and
- A soil sample from the first clean interval below the observed impacts (when observed).

Soil sample analytical data is summarized in Tables 3 through 7.

All soil samples were sent to Alpha Analytical of Westboro, Massachusetts (Alpha) which is part of the Environmental Laboratory Approved Program (ELAP) certified by the New York State Department of Health (NYSDOH), and analyzed for the following parameters:

- Target Compound List plus 30/ Target Analyte (TCL + 30/TAL) which includes:
 - TCL VOC + 10 Tentatively identified compounds (TICS);
 - TCL Base neutral acids (BNA)/SVOCs + 20;
 - TCL Pesticides (25% of samples);
 - TCL PCBs (25% of samples); and
 - TAL Metals (including hexavalent chromium).

Soil sample analytical results are summarized in Tables 3 through 7, and are shown graphically on Plates 1 and 2, and are discussed below. A Data Usability Summary Report (DUSR) is provided in Appendix C.

All soil cuttings, concrete cores and decontamination water generated during soil sampling activities were containerized in 55-gallon drums and staged in a drum storage area at the Site for future disposal to an approved waste disposal facility. Laboratory analysis for waste characterization purposes of investigation derived waste has indicated the waste is considered non-hazardous for disposal purposes.

4.3 Re-Development of Existing Groundwater Monitoring Wells

Thirteen existing groundwater monitoring wells (MW-1 through MW-13) were present at the site. Well construction logs were provided in the RIWP. Existing well depths range from 7-24.5 feet bls. Each of the existing wells was re-developed to ensure proper hydraulic connection with the aquifer and to reduce/eliminate turbidity of the water. The wells were re-developed using a submersible pump and a surge block, which was surged periodically until well yield was consistent and had turbidity below 50 nephelometric turbidity units (NTUs), when possible.

4.4 Groundwater Monitoring Well Installations

A total of ten (10) new groundwater monitoring wells (MW-14 through MW-23) were installed during the RI and four existing monitoring wells (MW-1R, MW-2R, MW-6R and MW-7R) were replaced due to improper well construction for LNAPL monitoring. All monitoring wells were installed in accordance with the RIWP. Monitoring wells MW-14 through MW-18 were installed to determine the extent and configuration of the LNAPL plume; monitoring wells MW-19 through MW-21 were installed in areas believed to be outside the LNAPL plume to determine groundwater quality and flow direction. As such, the screen zones of monitoring wells MW-14 through MW-21 were constructed to intersect the LNAPL/water table interface. Two additional wells (MW-22 and MW-23) were installed at the top of presumed bedrock.

Monitoring wells located at exterior locations were constructed of four-inch diameter poly vinyl chloride (PVC) and consist of ten feet of 0.020-inch slot well screen that intersects the LNAPL/water table (with the exception of MW-22 and MW-23 as stated above). Due to size limitations associated with the Geoprobe® drill rig, four-inch diameter wells could not be installed at interior locations. Instead a smaller Geoprobe® drill rig was used at those locations, which was only capable of installing two-inch monitoring wells. This modification from the RIWP was approved by NYSDEC via email on January 15, 2014. Monitoring wells installed at interior

locations were constructed of two-inch diameter PVC and consist of 0.020-inch slot well screen that intersects the LNAPL/water table. Note, as with the soil borings, monitoring wells MW-7R and MW-19 located in the basement of the warehouse were installed by hand methods due to height restrictions preventing access with any drill rig. Monitoring well construction logs are provided in Appendix B. All monitoring well locations are shown on Figure 2.

Following monitoring well installation activities, each well was developed to ensure proper hydraulic connection with the aquifer and to reduce/eliminate turbidity of the water. Each monitoring well was developed using a submersible pump and a surge block, which was surged periodically until well yield was consistent and had turbidity below 50 NTUs, when possible. Monitoring wells MW-6R, MW-14, MW-15, MW-20 and MW-22 ran dry during development.

All soil cuttings, purge water and decontamination water generated during well installation and development activities were containerized in 55-gallon drums and staged in a drum storage area at the Site for future disposal to an approved waste disposal facility. Laboratory analysis for waste characterization purposes of investigation derived waste indicates the waste is considered non-hazardous for disposal purposes.

4.4.1 Groundwater Gauging and Sampling

In accordance with the RIWP, an initial groundwater gauging and sampling round was completed on March 20, 2013 prior to the installation of the RI soil borings and monitoring wells. Following well installation and development, the entire network of monitoring wells was gauged on January 29, 2014. During both gauging rounds, water-level measurements were recorded for all monitoring wells to further define groundwater flow patterns beneath the Site. The wells were gauged using an electronic oil/water interface probe capable of detecting an LNAPL thickness of 0.01 feet.

Following each groundwater gauging event, a comprehensive groundwater sampling event was completed. Groundwater samples were collected from all wells that did not contain LNAPL or have an LNAPL sheen. To ensure groundwater samples collected were representative of the conditions in the surrounding aquifer, monitoring wells were purged prior to sample collection using low flow sampling procedures as outlined in the United States Environmental Protection

Agency (USEPA) document titled “Low Stress (Low Flow) Purging and Sampling Procedures for the Collection of Groundwater Samples From Monitoring Wells” (USEPA, 2010).

Because snow and ice prevented access to multiple monitoring wells on the January 29, 2014 gauging event, an additional gauging event was completed on March 14, 2014. The water level data collected during the March 2013 and 2014 gauging events were used to prepare Site groundwater elevation contour and flow pattern maps (Figures 3 and 4 respectively) to determine the groundwater flow direction. Results indicate that groundwater flow is predominantly to the west towards the East River. It is important to note that there is a tidal influence that can be seen in the monitoring wells closest to Anable Basin. The March 2013 gauging event (Figure 3) coincided with the outgoing tide cycle, as such, the groundwater elevation at MW-10 was observed to be below mean sea level and all groundwater is flowing away from the Site. The March 2014 gauging event (Figure 4) coincided with an incoming tide cycle in which the groundwater elevation at MW-10 was observed to be higher than that of surrounding on-site wells. The groundwater flow direction at MW-10 is therefore toward the Site, which creates a trough (located in the center of the courtyard) separated by the incoming tide on one side and the regional groundwater flow on the other side.

Monitoring wells located in the basement of the warehouse were not used in constructing the groundwater contours due to anomalous data likely associated with the building’s foundation structure altering groundwater flow. Additionally, LNAPL thickness as observed on the March 14th event is graphically provided on Figure 5. Groundwater gauging data collected during both the 2013 and 2014 events are summarized on Table 2. When appropriate the groundwater elevations were corrected for the presence of LNAPL using a laboratory-derived specific gravity of 0.75.

Gauging data collected during the RI suggests that LNAPL exists in two plumes (Figure 5). The first is apparently centered near monitoring wells MW-8 and MW-23 in the center of the courtyard. The plume extends from MW-6/6R in the east to the western Site border in the west. North to south the plume is bordered by MW-1/1R (no LNAPL detected) in the north and MW-7/7R (no LNAPL detected) in the south. The maximum apparent LNAPL thickness measured in this plume was 3.11 feet (MW-23). The second LNAPL plume is located south of the first and appears

centered near MW-17 located in the sidewalk on 46th Avenue. This plume is bordered to the north by MW-2/2R (no LNAPL detected) and MW-3 to the east (0.12 feet). Controls to the south and west have not been established. The maximum apparent LNAPL thickness measured in the plume was 3.99 feet (MW-17).

All groundwater samples were sent to either Accutest Laboratories of Dayton, New Jersey (2013 sampling event) or Alpha (2014 sampling event) and were analyzed for the following parameters:

- TCL + 30/TAL, which includes:
 - TCL VOA + ID TICS;
 - TCL BNA/(SVOCs) + 20;
 - TCL Pesticides (25%);
 - TCL PCBs (25%); and
 - TAL Metals.

Laboratory analytical results of the groundwater samples collected during this RI are summarized on Tables 8 through 13. Groundwater sampling logs are provided in Appendix D. A DUSR is provided in Appendix C.

4.5 Surveying Activities

All existing and newly installed monitoring wells, as well as all soil borings were surveyed on January 29 through 30, 2014 to obtain horizontal and vertical survey coordinates. All survey activities were conducted by Angle of Attack Land Surveying, LLC of Setauket, New York. Elevations were measured in feet relative to the North American Vertical Datum of 1988 (NAVD 88). Monitoring well survey data was used to calculate water level elevations for each well, which was used to construct a groundwater elevation contour maps (Figures 3 and 4).

5.0 SAMPLING RESULTS

5.1 Soil Sample Results

The following sections summarize the soil quality based on laboratory analytical data that was generated during this RI. A total of 122 soil samples were collected during the RI. All of the soil samples collected were analyzed for TCL + 30/TAL. Additionally, 39 of the samples were also analyzed for PCBs and pesticides in accordance with the RIWP (approximately 25%).

The soil laboratory analytical results were compared to NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives (SCOs). Laboratory analytical data for soil are summarized on Tables 3 through 7; sample locations with exceedances of the Part 375 Restricted Residential SCOs are shown on Plates 1 and 2.

5.1.1 Volatile Organic Compounds

Table 3 presents a summary of the VOC analytical data for soil samples collected during this investigation. A total of 122 soil samples were analyzed for VOCs. There were no detections above the Part 375 Restricted Residential Use SCOs.

5.1.2 Semivolatile Organic Compounds

Table 4 presents a summary of SVOC analytical data collected as part of this investigation. A total of 122 soil samples were analyzed for SVOCs. Part 375 Restricted Residential Use SCOs were exceeded in 49 samples at 27 locations. Analytical data for SVOCs indicated detections above the SCOs for seven SVOCs all of which are PAHs and are associated with historic fill. Additionally, most of the exceedances were from samples collected from within material identified as fill:

- Benzo[a]anthracene was detected in 76 soil samples, ranging in concentration from an estimated 40 micrograms per kilogram ($\mu\text{g/kg}$) to 34,000 $\mu\text{g/kg}$ and exceeded the Restricted Residential Use SCO (1,000 $\mu\text{g/kg}$) in 44 samples at 24 locations at depths ranging from 0-2 feet bls to 10-12 feet bls. See Table 4 and Plate 1 for details.
- Benzo[a]pyrene was detected in 72 soil samples ranging in concentration from 53 $\mu\text{g/kg}$ (estimated) to 35,000 $\mu\text{g/kg}$ and exceeded the Restricted Residential Use SCO (1,000 $\mu\text{g/kg}$) in 42 samples at 25 locations. Depth of the exceedances ranged from 0-2 feet bls to 10-12 feet bls. See Table 4 and Plate 1 for details.
- Benzo[b]fluoranthene was detected in 76 soil samples, ranging in concentration from 77 $\mu\text{g/kg}$ (estimated) to 44,000 $\mu\text{g/kg}$ and exceeded the Restricted Residential Use SCO (1,000 $\mu\text{g/kg}$) in 49 samples at 27 locations. Depth of the exceedances ranged from 0-2 feet bls to 10-12 feet bls. See Table 4 and Plate 1 for details.

- Benzo[k]fluoranthene was detected in 70 soil samples ranging in concentration from 40 µg/kg (estimated) to 17,000 µg/kg and exceeded the Restricted Residential Use SCO (3,900 µg/kg) in five samples at five locations. Depth of the exceedances ranged from 0-2 feet bls to 10-12 feet bls. See Table 4 and Plate 1 for details.
- Chrysene was detected in 75 soil samples, ranging in concentration from 47 µg/kg (estimated) to 36,000 µg/kg and exceeded the Restricted Residential SCO (3,900 µg/kg) in 13 samples at 11 locations. Depth of the exceedances ranged from 0-2 feet bls to 10-12 feet bls. See Table 4 and Plate 1 for details.
- Dibenzo[a,h]anthracene was detected in 54 soil samples, ranging in concentration from 41 µg/kg (estimated) to 5,300 µg/kg and exceeded the Restricted Residential SCO (330 µg/kg) in 19 samples at 15 locations. Depth of the exceedances ranged from 0-2 feet bls to 10-12 feet bls. See Table 4 and Plate 1 for details.
- Indeno[1,2,3-cd]pyrene was detected in 72 soil samples ranging in concentration from 44 µg/kg (estimated) to 22,000 µg/kg and exceeded the Restricted Residential SCO (5,000 µg/kg) in 45 samples at 26 locations. Depth of the exceedances ranged from 0-2 feet bls to 10-12 feet bls. See Table 4 and Plate 1 for details.

5.1.3 Metals

Table 5 presents a summary of metals analytical data collected as part of this investigation. A total of 122 soil samples were analyzed for metals. Many metals are naturally occurring in soil and many of the exceedances noted below occurred in samples collected from historic fill. As shown on Plate 2, analytical data for metals indicate Part 375 Restricted Residential Use SCOs were exceeded in 19 samples at 17 locations. Six metals were detected above the Restricted Residential SCOs, details are summarized below.

- Arsenic was detected in all 122 soil samples ranging in concentration from an estimated 0.4 milligrams per kilogram (mg/kg) to 29 mg/kg and exceeded the Restricted Residential Use SCO (16 mg/kg) in two samples B-5_0-2 (29 mg/kg) and B-13_0-2 (18 mg/kg).
- Barium was detected in all 122 soil samples ranging in concentration from 11 mg/kg to 530 mg/kg and exceeded the Restricted Residential Use SCO (400 mg/kg) in three samples at three locations: B-7_5-7 (480 mg/kg), B-8_0-2 (530 mg/kg) and MW-14_7-9 (530 mg/kg).
- Copper was detected in all 122 soil samples ranging in concentration from 7 mg/kg to 1,700 mg/kg and exceeded the Restricted Residential Use SCO (270 mg/kg) in five samples at four locations: B-11_0-2 (480 mg/kg), B-11_8-10 (390 mg/kg), B-17_0-2 (480 mg/kg), B-18_0-2 (1,700 mg/kg), MW-17_0-2 (770 mg/kg).
- Lead was detected in all 122 soil samples ranging in concentration from 2.7 mg/kg (estimated) to 1,000 mg/kg and exceeded the Restricted Residential Use SCO (400 mg/kg)

in nine samples at seven locations. Depth of the exceedances ranged from 0-2 feet bls to 8-10 feet bls. See Table 5 and Plate 2 for details.

- Manganese was detected in all 122 soil samples ranging in concentration from 67 mg/kg to 2,500 mg/kg and exceeded the Restricted Residential Use SCO (2,000 mg/kg) in one sample: B-12_21-22.5 (2,500 mg/kg).
- Mercury was detected in 70 soil samples ranging in concentration from 0.02 mg/kg (estimated) to 5.2 mg/kg and exceeded the Restricted Residential Use SCO (400 mg/kg) in seven samples at seven locations. Depth of the exceedances ranged from 0-2 feet bls to 7-8 feet bls. See Table 5 and Plate 2 for details.

5.1.4 Polychlorinated Biphenyls (PCBs)

Table 6 presents a summary of PCBs analytical data collected as part of this investigation. A total of 39 samples were analyzed for PCBs. Detections were observed in nine samples ranging in concentration from 35 µg/kg to 60.8 µg/kg and were limited to Aroclor-1254 and 1260. None of the samples analyzed exceeded the Restricted Residential SCO for total PCBs (1,000 µg/kg).

5.1.5 Pesticides

Table 7 presents a summary of pesticides analytical data collected as part of this investigation. A total of 39 soil samples were analyzed for pesticides. Detections were observed in three samples at two locations. There were no exceedances of the Restricted Residential Use SCOs for any of the pesticides analyzed.

5.2 Groundwater Sampling Results

The following sections summarize the groundwater quality based on laboratory analytical data that was generated during this RI. A total of 18 groundwater samples were collected during this investigation. In accordance with the RIWP, groundwater samples were collected during two events; an initial event which occurred March 20, 2013 in which groundwater samples were collected from five locations (MW-1, MW-5, MW-4, MW-10 and MW-11), and a final sampling event which occurred January 29th through 30th, 2014 in which groundwater samples were collected from 13 locations (MW-2R, MW-4, MW-5, MW-7R, MW-10, MW-11, MW-14, MW-15, MW-16, MW-18, MW-20, MW-21, and MW-22). The groundwater laboratory analytical results were compared to NYSDEC AWQSGVs for Class GA groundwater (even though the groundwater at the Site is not used for drinking since the area is connected to the public water supply and as discussed below the majority of the Site exhibits saline conditions). Laboratory

analytical data for groundwater are summarized in Tables 8 through 13. Exceedances of the AWQSGVs are shown on Plate 3.

5.2.1 Total Dissolved Solids and Chloride

In addition to the groundwater quality parameters discussed below, groundwater samples collected as part of this investigation were also analyzed for chloride and total dissolved solids (TDS). Groundwater was analyzed for these parameters to determine the salinity/potability of groundwater. The NYSDEC Water Quality Regulations define saline groundwaters as “groundwater that has a chloride concentration of more than 250 milligrams per liter (mg/L) or a total dissolved solids concentration of more than 1,000 mg/L.”

Table 8 presents a summary of chloride and TDS analytical data. The concentration of chloride ranged from 66 mg/L (MW-18) to 59,000 mg/L (MW-11) and exceeded 250 mg/L in seven of the 11 monitoring wells sampled. TDS concentrations ranged from 270 mg/L (MW-18) to 24,000 (MW-10) and exceeded 1,000 mg/L in seven of the 11 monitoring wells sampled. Results of the chloride/TDS analysis indicate that saline groundwater exists at the following seven locations: MW-2/2R, MW-5, MW-10, MW-11, MW-16, MW-20, and MW-21.

Although a majority of the Site appears to exhibit saline groundwater conditions, as a conservative approach groundwater quality parameters discussed below have been compared to the class GA AWQSGVs.

5.2.2 Volatile Organic Compounds

A summary of laboratory analytical data for VOCs in groundwater is summarized on Table 9. A total of 18 groundwater samples were analyzed for VOCs. Analytical data for VOCs indicated detections above NYSDEC AWQSGV for five (5) compounds, details are summarized below:

- Acetone was detected in seven samples ranging in concentration from an estimated 1.5 micrograms per liter (µg/L) to 190 µg/L and exceeded the NYSDEC AWQSGV (50 µg/L) at only one location, MW-21 (190 µg/L). Note MW-21 is located offsite at an upgradient location indicating that the acetone is from an upgradient source.
- Isopropylbenzene was detected in 11 samples ranging in concentration from 0.92 µg/L (estimated) to 21 µg/L and exceeded the NYSDEC AWQSGV (5 µg/L) at six locations: MW-1 (11.6 µg/L), MW-7R (6 µg/L [estimated]), MW-16 (20 µg/L [estimated]), MW-18 (6.8 µg/L), MW-20 (21 µg/L) and MW-22 (8 µg/L).

- M&P xylenes were detected at three location ranging in concentration from 0.77 µg/L (estimated) to 10 µg/L and exceeded the NYSDEC AWQSGV (5 µg/L) at one location: MW-16 (10 µg/L).
- O-xylenes were detected at two locations at concentrations ranging from 0.24 µg/L (estimated) to 6.7 µg/L and exceeded the NYSDEC AWQSGV (5 µg/L) at one location: MW-16 (6.7 µg/L).
- Total xylenes were detected at two locations at concentrations ranging from 1.01 µg/L (estimated) to 16.7 µg/L and exceeded the NYSDEC AWQSGV (5 µg/L) at one location: MW-16 (16.7 µg/L).

5.2.3 Semivolatile Organic Compounds

Table 10 presents a summary of SVOC analytical data collected as part of this investigation. Groundwater samples were collected from 17 locations and analyzed for SVOCs (Monitoring well MW-14 ran dry before enough material could be collected to analyze for SVOCs). Ten SVOCs were detected at 14 of the locations and were found in concentrations that exceed their respective NYSDEC AWQSGVs at six locations, details are summarized below.

- Benzo[a]anthracene was detected at six locations ranging in concentration from 0.08 µg/L (estimated) to 18 µg/L and exceeded the NYSDEC AWQSGV (0.002 µg/L) at six locations: MW-2R (0.33 µg/L), MW-5 (0.42 µg/L), MW-7R (18 µg/L), MW-15 (2.2 µg/L), MW-16 (0.08 µg/L [estimated]) and MW-22 (0.08 µg/L [estimated]).
- Benzo[a]pyrene was detected at four locations ranging in concentration from 0.31 µg/L to 14 µg/L and exceeded the NYSDEC AWQSGV (0 µg/L) at all four locations: MW-2R (0.31 µg/L), MW-5 (0.45 µg/L), MW-7R (14 µg/L) and MW-15 (1.7 µg/L).
- Benzo[b]fluoranthene was detected at four locations ranging in concentration from 0.41 µg/L to 16 µg/L and exceeded the NYSDEC AWQSGV (0.002 µg/L) at all four locations: MW-2R (0.41 µg/L), MW-5 (0.54 µg/L), MW-7R (16 µg/L) and MW-15 (2.6 µg/L).
- Benzo[k]fluoranthene was detected at four locations ranging in concentration from 0.28 µg/L to 9.2 µg/L and exceeded the NYSDEC AWQSGV (0.002 µg/L) at all four locations: MW-2R (0.28 µg/L), MW-5 (0.3 µg/L), MW-7R (9.2 µg/L) and MW-15 (1.4 µg/L).
- Bis(2-ethylhexyl) phthalate was detected at four locations ranging in concentration from 1 µg/L (estimated) to 29 µg/L and exceeded the NYSDEC AWQSGV (5 µg/L) at only one location: MW-7R (29 µg/L [estimated]).
- Chrysene was detected at six locations ranging in concentration from 0.07 µg/L (estimated) to 16 µg/L and exceeded the NYSDEC AWQSGV (0.002 µg/L) at all six locations:

MW-2R (0.33 µg/L), MW-5 (0.36 µg/L), MW-7R (16 µg/L), MW-15 (2.2 µg/L), MW-16 (0.09 µg/L) and MW-22 (0.07 µg/L [estimated]).

- Fluoranthene was detected at 10 locations ranging in concentration from 0.06 µg/L (estimated) to 55 µg/L and exceeded the NYSDEC AWQSGV (50 µg/L) at one location: MW-7R (55 µg/L).
- Indeno[1,2,3-cd]pyrene was detected at four locations ranging in concentration from 0.18 µg/L (estimated) to 9.5 µg/L and exceeded the NYSDEC AWQSGV (0.02 µg/L) at all four locations: MW-2R (0.18 µg/L [estimated]), MW-5 (0.38 µg/L), MW-7R (9.5 µg/L), and MW-15 (1.3 µg/L).
- Naphthalene was detected at 13 locations ranging in concentration from 0.1 µg/L (estimated) to 76 µg/L and exceeded the NYSDEC AWQSGV (10 µg/L) at only one location: MW-7R (76 µg/L).
- Phenanthrene was detected at 11 locations ranging in concentration from 0.1 µg/L (estimated) to 51 µg/L and exceeded the NYSDEC AWQSGV (50 µg/L) at only one location: MW-7R (51 µg/L).

5.2.4 Metals

Laboratory analytical data for metals detected in groundwater samples is summarized in Table 11. Groundwater samples were collected from 17 locations and analyzed for TAL metals (Monitoring well MW-14 ran dry before enough material could be collected to analyze for metals). Seven metals were detected at 13 of the locations and were found in concentrations that exceed their respective NYSDEC AWQSGVs at all 13 locations, details are summarized below.

- Antimony was detected at 10 locations ranging in concentration from 0.14 µg/L (estimated) to 3.25 µg/L and exceeded the NYSDEC AWQSGV (3 µg/L) at only one location MW-10 (3.25 µg/L).
- Barium was detected at 12 locations ranging in concentration from 21.25 µg/L to 1,018 µg/L and exceeded the NYSDEC AWQSGV (1,000 µg/L) in only one location: MW-21 (1,018 µg/L).
- Cadmium was detected at three locations ranging in concentration from 0.09 µg/L (estimated) to 13.74 µg/L and exceeded the NYSDEC AWQSGV (5 µg/L) at only one location: MW-7R (13.74 µg/L).
- Iron was detected at 13 locations ranging in concentration from 59.7 µg/L to 71,000 µg/L and exceeded the NYSDEC AWQSGV (300 µg/L) at all 13 locations: MW-1 (24,900 µg/L), MW-2R (30,700 µg/L), MW-4 (7,800 µg/L [3-20-2013] and 22,100 µg/L [1-30-2014]), MW-5 (1,590 µg/L [3-20-2013] and 5,190 µg/L [1-30-2014]), MW-7R (17,100 µg/L), MW-10 (490 µg/L), MW-11 (1,290 µg/L), MW-15 (2,550 µg/L), MW-16

(48,800 µg/L), MW-18 (12,300 µg/L), MW-20 (16,200 µg/L), MW-21 (71,000 µg/L) and MW-22 (17,300 µg/L).

- Lead was detected at 12 locations ranging in concentration from 0.34 µg/L (estimated) to 31.99 µg/L and exceeded the NYSDEC AWQSGV (25 µg/L) at two locations: MW-7R (31.99 µg/L) and MW-15 (26.78 µg/L).
- Manganese was detected at 13 locations ranging in concentration from 3.85 µg/L to 11,040 µg/L and exceeded the NYSDEC AWQSGV (300 µg/L) at 11 locations: MW-1 (1,280 µg/L), MW-2R (6,028 µg/L), MW-4 (2,470 µg/L [3-20-2013] and 7,530 µg/L [1-30-2014]), MW-5 (620 µg/L [3-20-2013] and 1,378 µg/L [1-30-2014]), MW-7R (564 µg/L), MW-11 (411.3 µg/L), MW-16 (5,378 µg/L), MW-18 (2,012 µg/L), MW-20 (3,694 µg/L), MW-21 (3,012 µg/L) and MW-22 (11,040 µg/L).
- Sodium was detected at 13 locations ranging in concentration from 35,000 µg/L to 7,700,00 µg/L and exceeded the NYSDEC AWQSGV (20,000 µg/L) at all 13 locations: MW-1 (1,640,000 µg/L), MW-2R (225,000 µg/L), MW-4 (88,300 µg/L), MW-5 (725,000 µg/L [3-20-2013] and 706,000 µg/L [1-30-2014]), MW-7R (174,000 µg/L), MW-10 (3,850,000 µg/L [3-20-2013] and 770,000 µg/L [1-30-2014]), MW-11 (1,300,000 µg/L [3-20-2013] and 3,280,000 µg/L [1-30-2014]), MW-15 (358,000 µg/L), MW-16 (816,000 µg/L), MW-18 (38,400 µg/L), MW-20 (446,000 µg/L), MW-21 (1,790,000 µg/L) and MW-22 (35,000 µg/L).

5.2.5 Polychlorinated Biphenyls (PCBs)

Table 12 presents a summary of PCB analytical data collected as part of this investigation. A total of nine samples were analyzed for PCBs. As shown on Table 12, PCBs were not detected in any of the groundwater samples collected during this investigation.

5.2.6 Pesticides

Table 13 presents a summary of pesticides analytical data collected as part of this investigation. A total of nine samples were analyzed for pesticides. As shown on Table 13, pesticides were not detected in any of the groundwater samples collected during this investigation.

5.3 LNAPL Fingerprinting Results

A total of 17 LNAPL samples were submitted for fingerprinting analysis. Nine of the samples were collected from USTs, eight from monitoring wells. Results of the fingerprinting analysis are summarized on Table 14. Three specific chemicals were identified: diesel fuel/fuel oil, mineral spirits and linseed oil. Note, when gauging the USTs, a thin layer of LNAPL was detected in

USTs GT-1 and GT-11; however, the samples collected from these USTs contained an insufficient volume of LNAPL (samples were mostly water) to perform an analysis.

LNAPL samples from monitoring wells MW-6R, MW-8, MW-12, MW-13, MW-17, and MW-23 were identified as mineral spirits. LNAPL collected from monitoring well MW-9 was identified as mineral spirits with traces of a degraded fuel oil. LNAPL collected from monitoring well MW-3 was identified as severely degraded diesel/fuel oil. Additionally, in the forensic interpretation report, it is noted that the further away from the courtyard USTs the LNAPL is, the more degraded the LNAPL appears to be. This finding is consistent with previous LNAPL sampling completed by AKRF.

Two USTs in the courtyard were determined to contain LNAPL. The LNAPL within CT-1 was identified as a diesel/fuel oil and CT-4 was identified to contain mineral spirits. The LNAPL collected from pipe vault CT-8 was identified as a diesel/fuel oil. Four USTs in the garage were determined to contain LNAPL: GT-2 (mineral spirits), GT-6 (40%/60% mixture of mineral spirits to linseed oil), GT-8, (linseed oil) and GT-10 (70%/30% mixture of mineral spirits to linseed oil).

6.0 QUALITATIVE EXPOSURE ASSESSMENT

As described in Appendix 3B of DER-10, “The overall purpose of the Qualitative Human Health Exposure Assessment (or the exposure assessment) is to evaluate and document how people might be exposed to site related contaminants, and to identify and characterize the potentially exposed population(s) now and under the reasonably anticipated future use of the site.” The following section details the exposure assessment based on data collected during the RI.

6.1 Soil Exposure

As described above in Section 5.1, soil samples collected during the RI indicated the presence of SVOCs and metals in concentrations above the NYSDEC Part 375 Restricted Residential Use SCOs. An individual could be exposed to these contaminants through direct contact with Site soil during ground intrusive work at the Site. Direct contact without the use of proper personal protective equipment (PPE) and personal hygiene measures could lead to dermal contact and incidental ingestion of these compounds. Since the Site is completely covered by either buildings or paved with concrete and access is controlled, potential contact with Site soil is restricted to remedial and construction contract workers at the Site performing ground intrusive activities. The general public is not exposed to direct contact with Site soil. A Health and Safety Plan previously prepared for the Site will be adhered to during all remedial activities. A community air monitoring program (CAMP) will be implemented during intrusive activities to minimize the potential for off-site exposures from soil/dust leaving the Site.

The planned future use of the Site is ground floor commercial retail space with residential units above. The proposed remedy for the Site soil in exceedance of the NYSDEC Part 375 Restricted Residential SCOs and will be described in the RAWP. The Future use includes a complete cap across the Site either through buildings or paved areas thereby minimizing the potential for exposure by direct contact with contaminated soil for both the public and any future construction workers performing non-ground intrusive activities at the Site.

6.2 Groundwater Exposure

As described above in Section 5.2, groundwater samples collected during the RI indicated the presence of VOCs, SVOCs and metals above the AWQSGVs. Since the groundwater table is encountered at approximately 6 to 13 ft bfs, and groundwater is not used for drinking (the area is

connected to the public water supply), there is no direct contact with or ingestion of groundwater by the general public. Individuals who perform groundwater sampling or remedial activities may come into contact with contaminated groundwater if proper PPE and personal hygiene measures are not used, which could lead to dermal contact and the potential for incidental ingestion of these compounds.

The planned future use of the Site is ground floor commercial retail space with residential units above. All buildings will be serviced by the public water supply. The proposed remedy to address the VOCs in on Site groundwater will be described in the RAWP. Based on this, the potential for public exposure by direct contact with contaminated groundwater will be reduced or eliminated.

6.3 Soil Vapor Exposure

In accordance with the RIWP, soil vapor samples were not collected as part of this investigation. Currently, the Site is unoccupied space and therefore, there is no current soil vapor intrusion pathway at the Site. Furthermore, historical indoor air sampling at the Site did not indicate indoor air quality concerns.

The planned future use of the Site is ground floor commercial retail space with residential units above. Potential soil vapor concerns will be mitigated with the installation of a vapor barrier or subslab depressurization system in existing buildings that will remain at the Site and any new construction. Furthermore, commercial/retail space is proposed for the ground floor will make the potential for soil vapor intrusion into the residential units above minimal.

The proposed remedy to address on Site soil vapor will be described in the RAWP.

6.4 Exposure Assessment Summary

The following table summarizes the exposure assessment.

Environmental Media and Exposure Route	Human Exposure Assessment
Direct contact with subsurface soils (and incidental ingestion)	• Demolition, construction and remedial contractors can come into contact with soil if they complete ground intrusive work at the Site.

Environmental Media and Exposure Route	Human Exposure Assessment
Direct contact with subsurface soils (and incidental ingestion) – <i>Continued</i>	• During remediation, remedial workers, trespassers, passersby, and utility workers could come into contact with contaminated soil contained in dust through inhalation, incidental ingestion and dermal contact. • Future exposure will be eliminated through addressing contaminated soil in the RAWP and fully capping the Site.
Ingestion of groundwater	• Contaminated groundwater is not used for drinking water, as the Site is connected to the public water supply.
Direct contact with groundwater (and incidental ingestion)	• Remedial workers, trespassers, and utility workers could come into contact with contaminated groundwater through dermal contact and incidental ingestion during ground intrusive work, and groundwater remediation and sampling activities. • Future exposure will be reduced or eliminated by addressing the LNAPL that is acting as a source of contamination to groundwater, and addressing groundwater contamination in the RAWP.
Inhalation of air (exposures related to soil vapor intrusion)	• Remedial workers, trespassers, and utility workers may be exposed to contaminated soil vapor inside the Site buildings or within open excavations. • Future exposure will be reduced or eliminated by addressing soil vapor contamination in the RAWP and through passive and mechanical means proposed as part of the building design.

7.0 CONCLUSIONS

The data collected during the RI and described in this report confirm and delineate AOCs for LNAPL, soil and groundwater at the Site. The following section summarizes the AOCs for each matrix.

7.1 LNAPL Results

LNAPL thickness data was collected during the March 14, 2014 gauging event. The distribution of LNAPL is graphically shown on Figure 5. As shown on Figure 5, it appears there are two distinct LNAPL plumes, one centered under the courtyard, the other centered on the southern end of the driveway.

LNAPL fingerprinting analysis indicates the courtyard LNAPL plume consists entirely of mineral spirits and that the LNAPL plume located in the driveway consists of a more degraded/weathered mineral spirits in addition to trace amounts of diesel/fuel oil.

7.2 Soil Results

Soil sample results indicate that VOCs, (either petroleum related or chlorinated VOCs) are not a COC in Site soils. Furthermore, soil sample results have also confirmed the findings of previous investigations that PCBs and pesticides are also not a COC in Site soils.

SVOCs were detected at multiple locations throughout the Site in exceedance of the NYSDEC Part 375 Restricted Residential Use SCOs; however, the SVOC exceedances are limited to PAHs and were restricted to the shallow Site soils (i.e., less than 12 feet). Therefore, these exceedances are likely a result of historic fill and are not indicative of a prior release.

Five Metals in 16 locations were also observed in shallow Site soils (i.e., less than 10 feet) in exceedance of the NYSDEC Part 375 Restricted Residential Use SCOs. These metals are likely naturally occurring or attributable to the use of historic fill and are not indicative of a release.

Manganese was observed in one soil sample above the NYSDEC Part 375 Restricted Residential Use SCOs at a depth of 21-22.5 feet bls. This is likely a due to naturally occurring conditions.

7.3 Groundwater Results

Five VOC compounds were detected above the AWQSGVs at seven locations. An exceedance for acetone was limited to MW-21 which is located offsite on the corner of 46th Avenue and Vernon Boulevard at an upgradient location and is therefore attributable to an offsite upgradient source. Exceedances of Isopropylbenzene were observed in six locations spread across the Site; however it is worth noting that the Isopropylbenzene was detected in a well that is crossgradient to the Site (MW-18) and wells upgradient of the northern LNAPL plume (MW-20 and MW-22). Exceedances of xylenes (including exceedances of o-xylenes, m&p-xylenes and total xylenes) were limited to MW-16 which is located downgradient of the courtyard LNAPL plume which is the likely source of the xylenes.

Ten SVOCs were detected at six locations at concentrations exceeding the AWQSGVs. With the exception of naphthalene and Bis(2-ethylhexyl) phthalate (a common laboratory contaminant) in MW-7/7R, the SVOC exceedances are limited to PAHs and closely correlate to the compounds observed to exceed the NYSDEC Part 375 Restricted Residential Use SCOs. Considering the above it is likely that the PAH exceedances are a result of turbid samples and are not indicative of a release. The likely source of the naphthalene is the LNAPL plume located north of MW-7/7R.

Seven metals were detected in groundwater samples above AWQSGVs. The exceedance of sodium which is commonly found in seawater can be attributed to the Sites proximity to the Anable Basin and the East River. There were limited exceedances of antimony (MW-10), barium (MW-21), cadmium (MW-7R) and lead (MW-7R and MW-15). These exceedances are likely attributable to historic fill and may also be the result of a turbid sample. The exceedances of iron and manganese observed in most of the monitoring wells is likely attributed to anoxic conditions within the aquifer, and is indicative of natural aquifer conditions. Additionally, both metals were observed (in concentrations above the AWQSGVs) in upgradient wells.

Groundwater analytical results confirmed the findings of previous investigations that PCBs and pesticides are not a COC in the groundwater.

Chloride and TDS analysis determined that saline groundwater conditions exist at seven locations: MW-2/2R, MW-5, MW-10, MW-11, MW-16, MW-20, and MW-21.

8.0 RECOMMENDATIONS

In addition to the proper closure of the USTs and addressing vapor intrusion, remedial action to address the LNAPL beneath the Site is recommended as LNAPL removal will minimize the risk of offsite migration (including to Anabel Basin) of potential source material. An evaluation of potential remedial alternatives and the recommended course of action will be presented in an Alternative Analysis Report/Remedial Action Work Plan. Given the limited presence of VOCs above standards in soil or groundwater, the remedial action will likely not focus on mass excavation of soil from the Site.

1. Summary of Underground Storage Tanks Inventory
2. Summary of Water Level Elevations and LNAPL Thickness
3. Summary of Volatile Organic Compounds in Soil
4. Summary of Semivolatile Organic Compounds in Soil
5. Summary of Metals in Soil
6. Summary of Polychlorinated Biphenyls in Soil
7. Summary of Pesticides in Soil
8. Summary of General Chemistry in Groundwater
9. Summary of Volatile Organic Compounds in Groundwater
10. Summary of Semivolatile Organic Compounds in Groundwater
11. Summary of Metals in Groundwater
12. Summary of Polychlorinated Biphenyls in Groundwater
13. Summary of Pesticides in Groundwater
14. Summary of LNAPL Fingerprinting Analysis

Table 1. Summary of UST Inventory, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Tank ID	Reported Capacity (g)	DTP (ft)	DTW (ft)	DTB (ft)	LNAPL Thickness (ft)	Estimated LNAPL Volume¹ (g)	Comments
CT-1	20000	4.48	4.82	10	0.34	680	Sample collected for fingerprinting
CT-2	20000	ND	8.39	10.72	0	0	Only water was detected
CT-3	20000	ND	6.61	10.55	0	0	Only water was detected
CT-4	20000	5.35	5.4	8.6	0.05	116	Sample collected for fingerprinting
CT-5	20000	ND	7.15	10.7	0	0	Only water was detected
CT-6	20000	ND	5.5	NA	0	0	Only water was detected
CT-7	20000	NA	NA	NA	NA	NA	Could not access UST through vault
CT-8	10000	NA	NA	NA	0	0	Appears to be a pipe vault not a UST
CT-9	10000	ND	2.91	10.5	0	0	Only water was detected
GT-1	20000	8.25	8.25	10	0	0	Sample collected for fingerprinting (determined to be aqueous)
GT-2	NA	5.2	ND	10	4.8	NA	Sample collected for fingerprinting
GT-3	NA	ND	ND	10	0	0	UST empty
GT-4	NA	ND	ND	10	0	0	UST empty
GT-5	NA	ND	ND	10	0	0	UST empty
GT-6	NA	7.2	ND	10	2.8	NA	Sample collected for fingerprinting
GT-7	NA	ND	7.62	10.08	0	0	Only water was detected
GT-8	NA	6.5	ND	10	3.5	NA	Sample collected for fingerprinting
GT-9	NA	ND	6.21	10.21	0	0	Only water was detected
GT-10	NA	7.45	ND	10	2.55	NA	Sample collected for fingerprinting
GT-11	NA	10.00	ND	10.01	0.01	NA	Sample collected for fingerprinting (determined to be aqueous)

Notes:

UST - underground storage tank

DTP - depth to product

DTW - depth to water

DTB - depth to tank bottom

ft - feet

g - Gallons

LNAPL - Light non-aqueous phase liquid

ND - Non detected

NA - not available

¹ - Based on reported capacity (where available)

Table 2. Summary of Water Level Elevations and LNAPL Thickness
Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Well ID	MPE (ft)	March 20, 2013				March 14, 2014			
		DTP (ft)	DTW (ft)	GWE ¹ (ft)	FPT (ft)	DTP (ft)	DTW (ft)	GWE ¹ (ft)	FPT (ft)
MW-1/1R	7.55	--	6.37	1.18	--	--	6.76	0.79	--
MW-2/2R	9.23	7.11	7.12	2.12	0.01	--	7.84	1.39	--
MW-3	8.40	6.31	6.62	2.01	0.31	7.00	7.12	1.37	0.12
MW-4	11.57	--	9.68	1.89	--	--	9.73	1.84	--
MW-5	8.35	--	5.75	2.60	--	--	6.10	2.25	--
MW-6/6R	11.73	10.00	13.60	0.83	3.60	10.27	13.04	0.77	2.77
MW-7/7R	4.48	1.07	1.63	3.27	0.56	--	1.36	3.12	--
MW-8	8.00	5.95	10.63	0.88	4.68	6.84	9.46	0.51	2.62
MW-9	8.81	6.91	8.76	1.44	1.85	7.39	9.88	0.80	2.49
MW-10	7.37	--	7.53	-0.16	--	--	6.38	0.99	--
MW-11	7.36	--	6.36	1.00	--	--	6.70	0.66	--
MW-12	9.12	7.81	9.16	0.97	1.35	8.31	9.69	0.46	1.38
MW-13	9.13	7.30	10.87	0.94	3.57	7.98	11.02	0.39	3.04
MW-14	11.63	--	--	--	--	--	9.55	2.08	--
MW-15	11.51	--	--	--	--	--	9.46	2.05	--
MW-16	8.55	--	--	--	--	--	7.40	1.15	--
MW-17	8.35	--	--	--	--	7.03	11.02	0.32	3.99
MW-18	8.40	--	--	--	--	--	6.81	1.59	--
MW-19	4.41	--	--	--	--	1.96	2.01	2.44	0.05
MW-20	11.69	--	--	--	--	--	9.85	1.84	--
MW-21	8.17	--	--	--	--	--	6.44	1.73	--
MW-22	11.63	--	--	--	--	--	9.79	1.84	--
MW-23	8.27	--	--	--	--	7.02	10.13	0.47	3.11

Notes:

LNAPL - light non-aqueous phase liquid

MPE - measuring point elevation (top of well casing)

DTW - depth to water

DTP - depth to product

GWE - groundwater elevation (corrected for presence of LNAPL when applicable¹)

FPT - free product thickness

ft - feet

¹ - for wells that contained LNAPL the following formula was used to calculate the corrected water table elevation:

Corrected GWE = MPE - DTW + (LNAPL thickness * LNAPL specific gravity)

Assumes a specific gravity of 0.75

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:							
	Part 375	Sample Date:							
	Restricted	Sample Depth (ft bls):							
	Residential	0 - 2	3 - 5	10 - 12	15 - 16	0 - 2	7 - 9	12 - 14	
1,1,1-Trichloroethane	100000	1.2 U	1.3 U	3100 UD	1.1 U	1.1 U	1100 UD	6000 UD	
1,1,2,2-Tetrachloroethane	--	1.2 U	1.3 U	3100 UD	1.1 U	1.1 U	1100 UD	6000 UD	
1,1,2-Trichloroethane	--	1.8 U	2 U	4600 UD	1.7 U	1.7 U	1700 UD	9000 UD	
1,1-Dichloroethane	26000	1.8 U	2 U	4600 UD	1.7 U	1.7 U	1700 UD	9000 UD	
1,1-Dichloroethene	100000	1.2 U	1.3 U	3100 UD	1.1 U	1.1 U	1100 UD	6000 UD	
1,2,3-Trichlorobenzene	--	6.1 U	6.7 U	16000 UD	5.6 U	5.7 U	5600 UD	30000 UD	
1,2,4-Trichlorobenzene	--	6.1 U	6.7 U	16000 UD	5.6 U	5.7 U	5600 UD	30000 UD	
1,2-Dibromoethane	--	4.9 U	5.4 U	12000 UD	4.5 U	4.6 U	4500 UD	24000 UD	
1,2-Dichlorobenzene	100000	6.1 U	6.7 U	16000 UD	5.6 U	5.7 U	5600 UD	30000 UD	
1,2-Dichloroethane	3100	1.2 U	1.3 U	3100 UD	1.1 U	1.1 U	1100 UD	6000 UD	
1,2-Dichloropropane	--	4.3 U	4.7 U	11000 UD	3.9 U	4 U	3900 UD	21000 UD	
1,3-Dichlorobenzene	49000	6.1 U	6.7 U	16000 UD	5.6 U	5.7 U	5600 UD	30000 UD	
1,4-Dichlorobenzene	13000	6.1 U	6.7 U	16000 UD	5.6 U	5.7 U	5600 UD	30000 UD	
1,4-Dioxane	13000	120 U	130 U	310000 UD	110 U	110 U	110000 UD	600000 UD	
2-Butanone (MEK)	100000	12 U	4 J	31000 UD	11 U	3.8 J	11000 UD	60000 UD	
2-Hexanone	--	12 U	13 U	31000 UD	11 U	11 U	11000 UD	60000 UD	
4-Methyl-2-pentanone (MIBK)	--	12 U	13 U	31000 UD	11 U	11 U	11000 UD	60000 UD	
Acetone	100000	6.2 J	24	31000 UD	4.1 J	43	11000 UD	60000 UD	
Benzene	4800	1.2 U	1.3 U	3100 UD	1.1 U	1.1 U	1100 UD	6000 UD	
Bromochloromethane	--	6.1 U	6.7 U	16000 UD	5.6 U	5.7 U	5600 UD	30000 UD	
Bromodichloromethane	--	1.2 U	1.3 U	3100 UD	1.1 U	1.1 U	1100 UD	6000 UD	
Bromoform	--	4.9 U	5.4 U	12000 UD	4.5 U	4.6 U	4500 UD	24000 UD	
Bromomethane	--	2.4 U	2.7 U	6200 UD	2.2 U	2.3 U	2200 UD	12000 UD	
Carbon disulfide	--	12 U	13 U	31000 UD	11 U	11 U	11000 UD	60000 UD	
Carbon tetrachloride	2400	1.2 U	1.3 U	3100 UD	1.1 U	1.1 U	1100 UD	6000 UD	
Chlorobenzene	100000	1.2 U	1.3 U	3100 UD	1.1 U	1.1 U	1100 UD	6000 UD	
Chloroethane	--	2.4 U	2.7 U	6200 UD	2.2 U	2.3 U	2200 UD	12000 UD	
Chloroform	49000	1.8 U	2 U	4600 UD	1.7 U	1.7 U	1700 UD	9000 UD	
Chloromethane	--	6.1 U	6.7 U	16000 UD	5.6 U	5.7 U	5600 UD	30000 UD	
cis-1,2-Dichloroethene	100000	1.2 U	1.3 U	3100 UD	1.1 U	1.1 U	1100 UD	6000 UD	
cis-1,3-Dichloropropene	--	1.2 U	1.3 U	3100 UD	1.1 U	1.1 U	1100 UD	6000 UD	
Dibromochloromethane	--	1.2 U	1.3 U	3100 UD	1.1 U	1.1 U	1100 UD	6000 UD	
Dibromochloropropane	--	6.1 U	6.7 U	16000 UD	5.6 U	5.7 U	5600 UD	30000 UD	
Dichlorodifluoromethane	--	12 U	13 U	31000 UD	11 U	11 U	11000 UD	60000 UD	
Ethylbenzene	41000	1.2 U	1.3 U	8900 D	1.1 U	1.1 U	1100 UD	11000 D	

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC								
	Part 375	Sample Designation:	B-5	B-5	B-5	B-5	B-6	B-6	B-6
	Restricted	Sample Date:	12/31/2013	12/31/2013	12/31/2013	12/31/2013	12/31/2013	1/17/2014	1/17/2014
	Residential	Sample Depth (ft bls):	0 - 2	3 - 5	10 - 12	15 - 16	0 - 2	7 - 9	12 - 14
Freon 113	--		24 U	27 U	62000 UD	22 U	23 U	22000 UD	120000 UD
Isopropylbenzene	--		1.2 U	1.3 U	11000 D	1.1 U	1.1 U	1200 D	38000 D
m+p-Xylene	--		2.4 U	2.7 U	7400 D	2.2 U	2.3 U	840 JD	32000 D
Methylene chloride	100000		12 U	13 U	31000 UD	11 U	11 U	11000 UD	60000 UD
MTBE	100000		2.4 U	2.7 U	6200 UD	2.2 U	2.3 U	2200 UD	12000 UD
o-Xylene	--		2.4 U	2.7 U	4400 JD	2.2 U	2.3 U	2200 UD	12000 UD
Styrene	--		2.4 U	2.7 U	6200 UD	2.2 U	2.3 U	2200 UD	12000 UD
Tetrachloroethene	19000		1.2 U	1.3 U	3100 UD	1.1 U	1.1 U	1100 UD	6000 UD
Toluene	100000		1.8 U	2 U	4600 UD	1.7 U	1.7 U	1700 UD	9000 UD
trans-1,2-Dichloroethene	100000		1.8 U	2 U	4600 UD	1.7 U	1.7 U	1700 UD	9000 UD
trans-1,3-Dichloropropene	--		1.2 U	1.3 U	3100 UD	1.1 U	1.1 U	1100 UD	6000 UD
Trichloroethene	21000		1.2 U	1.3 U	3100 UD	1.1 U	1.1 U	1100 UD	6000 UD
Trichlorofluoromethane	--		6.1 U	6.7 U	16000 UD	5.6 U	5.7 U	5600 UD	30000 UD
Vinyl chloride	900		2.4 U	2.7 U	6200 UD	2.2 U	2.3 U	2200 UD	12000 UD
Xylenes (total)	100000		2.4 U	2.7 U	11800 D	2.2 U	2.3 U	840 JD	32000 D

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

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

linear range of the instrument

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:	B-6	B-7	B-7	B-7	B-8	B-8	B-8
	Part 375	Sample Date:	1/17/2014	12/30/2013	12/30/2013	12/30/2013	12/30/2013	12/30/2013	12/30/2013
	Restricted Residential	Sample Depth (ft bls):	16 - 18	0 - 2	5 - 7	14 - 15	0 - 2	5 - 7	9 - 11
1,1,1-Trichloroethane	100000		5800 UD	1.2 U	6.2 UD	2800 UD	1.1 U	1.2 U	1300 UD
1,1,2,2-Tetrachloroethane	--		5800 UD	1.2 U	6.2 UD	2800 UD	1.1 U	1.2 U	1300 UD
1,1,2-Trichloroethane	--		8800 UD	1.8 U	9.4 UD	4200 UD	1.7 U	1.8 U	1900 UD
1,1-Dichloroethane	26000		8800 UD	1.8 U	9.4 UD	4200 UD	1.7 U	1.8 U	1900 UD
1,1-Dichloroethene	100000		5800 UD	1.2 U	6.2 UD	2800 UD	1.1 U	1.2 U	1300 UD
1,2,3-Trichlorobenzene	--		29000 UD	5.9 U	31 UD	14000 UD	5.7 U	5.9 U	6400 UD
1,2,4-Trichlorobenzene	--		29000 UD	5.9 U	31 UD	14000 UD	5.7 U	5.9 U	6400 UD
1,2-Dibromoethane	--		23000 UD	4.8 U	25 UD	11000 UD	4.5 U	4.8 U	5100 UD
1,2-Dichlorobenzene	100000		29000 UD	5.9 U	31 UD	14000 UD	5.7 U	5.9 U	6400 UD
1,2-Dichloroethane	3100		5800 UD	1.2 U	6.2 UD	2800 UD	1.1 U	1.2 U	1300 UD
1,2-Dichloropropane	--		20000 UD	4.2 U	22 UD	9800 UD	4 U	4.2 U	4400 UD
1,3-Dichlorobenzene	49000		29000 UD	5.9 U	31 UD	14000 UD	5.7 U	5.9 U	6400 UD
1,4-Dichlorobenzene	13000		29000 UD	5.9 U	31 UD	14000 UD	5.7 U	5.9 U	6400 UD
1,4-Dioxane	13000		580000 UD	120 U	620 UD	280000 UD	110 U	120 U	130000 UD
2-Butanone (MEK)	100000		58000 UD	22 D	26 JD	28000 UD	8.9 J	13	13000 UD
2-Hexanone	--		58000 UD	12 U	62 UD	28000 UD	11 U	12 U	13000 UD
4-Methyl-2-pentanone (MIBK)	--		58000 UD	12 U	62 UD	28000 UD	11 U	12 U	13000 UD
Acetone	100000		58000 UD	430 E	240 D	28000 UD	90	90	13000 UD
Benzene	4800		5800 UD	1.2 U	6.2 UD	2800 UD	1.1 U	1.2 U	1300 UD
Bromochloromethane	--		29000 UD	5.9 U	31 UD	14000 UD	5.7 U	5.9 U	6400 UD
Bromodichloromethane	--		5800 UD	1.2 U	6.2 UD	2800 UD	1.1 U	1.2 U	1300 UD
Bromoform	--		23000 UD	4.8 U	25 UD	11000 UD	4.5 U	4.8 U	5100 UD
Bromomethane	--		12000 UD	2.4 U	12 UD	5600 UD	2.3 U	2.4 U	2500 UD
Carbon disulfide	--		58000 UD	12 U	62 UD	28000 UD	11 U	12 U	13000 UD
Carbon tetrachloride	2400		5800 UD	1.2 U	6.2 UD	2800 UD	1.1 U	1.2 U	1300 UD
Chlorobenzene	100000		5800 UD	1.2 U	6.2 UD	2800 UD	1.1 U	1.2 U	1300 UD
Chloroethane	--		12000 UD	2.4 U	12 UD	5600 UD	2.3 U	2.4 U	2500 UD
Chloroform	49000		8800 UD	1.8 U	9.4 UD	4200 UD	1.7 U	1.8 U	1900 UD
Chloromethane	--		29000 UD	5.9 U	31 UD	14000 UD	5.7 U	5.9 U	6400 UD
cis-1,2-Dichloroethene	100000		5800 UD	1.2 U	6.2 UD	2800 UD	1.1 U	1.2 U	1300 UD
cis-1,3-Dichloropropene	--		5800 UD	1.2 U	6.2 UD	2800 UD	1.1 U	1.2 U	1300 UD
Dibromochloromethane	--		5800 UD	1.2 U	6.2 UD	2800 UD	1.1 U	1.2 U	1300 UD
Dibromochloropropane	--		29000 UD	5.9 U	31 UD	14000 UD	5.7 U	5.9 U	6400 UD
Dichlorodifluoromethane	--		58000 UD	12 U	62 UD	28000 UD	11 U	12 U	13000 UD
Ethylbenzene	41000		26000 D	1.2 U	6.2 UD	2800 UD	1.1 U	1.2 U	1300 UD

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	B-6	B-7	B-7	B-7	B-8	B-8	B-8
	Part 375		1/17/2014	12/30/2013	12/30/2013	12/30/2013	12/30/2013	12/30/2013	12/30/2013
	Restricted		16 - 18	0 - 2	5 - 7	14 - 15	0 - 2	5 - 7	9 - 11
	Residential								
Freon 113	--		120000 UD	24 U	120 UD	56000 UD	23 U	24 U	25000 UD
Isopropylbenzene	--		76000 D	1.2 U	200 D	9900 D	1.1 U	1.2 U	1300 UD
m+p-Xylene	--		77000 D	2.4 U	12 UD	5600 UD	2.3 U	2.4 U	2500 UD
Methylene chloride	100000		58000 UD	12 U	62 UD	28000 UD	11 U	12 U	13000 UD
MTBE	100000		12000 UD	2.4 U	12 UD	5600 UD	2.3 U	2.4 U	2500 UD
o-Xylene	--		12000 UD	2.4 U	12 UD	5600 UD	2.3 U	2.4 U	2500 UD
Styrene	--		12000 UD	2.4 U	12 UD	5600 UD	2.3 U	2.4 U	2500 UD
Tetrachloroethene	19000		5800 UD	1.2 U	6.2 UD	2800 UD	1.1 U	1.2 U	1300 UD
Toluene	100000		8800 UD	1.8 U	9.4 UD	4200 UD	1.7 U	1.8 U	1900 UD
trans-1,2-Dichloroethene	100000		8800 UD	1.8 U	9.4 UD	4200 UD	1.7 U	1.8 U	1900 UD
trans-1,3-Dichloropropene	--		5800 UD	1.2 U	6.2 UD	2800 UD	1.1 U	1.2 U	1300 UD
Trichloroethene	21000		5800 UD	1.2 U	6.2 UD	2800 UD	1.1 U	1.2 U	1300 UD
Trichlorofluoromethane	--		29000 UD	5.9 U	31 UD	14000 UD	5.7 U	5.9 U	6400 UD
Vinyl chloride	900		12000 UD	2.4 U	12 UD	5600 UD	2.3 U	2.4 U	2500 UD
Xylenes (total)	100000		77000 D	2.4 U	12 UD	5600 UD	2.3 U	2.4 U	2500 UD

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

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

linear range of the instrument

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC								
	Part 375	Sample Designation:	B-9	B-9	B-9	B-9	B-10	B-10	B-10
	Restricted	Sample Date:	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/20/2013	12/20/2013	12/20/2013
	Residential	Sample Depth (ft bls):	0 - 2	5 - 7	7 - 9	19 - 20	0 - 2	5 - 7	10 - 12
1,1,1-Trichloroethane	100000		1.1 U	1.1 U	1300 UD	1.1 U	1.2 U	1.2 U	3300 UD
1,1,2,2-Tetrachloroethane	--		1.1 U	1.1 U	1300 UD	1.1 U	1.2 U	1.2 U	3300 UD
1,1,2-Trichloroethane	--		1.6 U	1.7 U	1900 UD	1.7 U	1.8 U	1.8 U	4900 UD
1,1-Dichloroethane	26000		1.6 U	1.7 U	1900 UD	1.7 U	1.8 U	1.8 U	4900 UD
1,1-Dichloroethene	100000		1.1 U	1.1 U	1300 UD	1.1 U	1.2 U	1.2 U	3300 UD
1,2,3-Trichlorobenzene	--		5.5 U	5.6 U	6300 UD	5.6 U	5.9 U	6 U	16000 UD
1,2,4-Trichlorobenzene	--		5.5 U	5.6 U	6300 UD	5.6 U	5.9 U	6 U	16000 UD
1,2-Dibromoethane	--		4.4 U	4.5 U	5100 UD	4.5 U	4.7 U	4.8 U	13000 UD
1,2-Dichlorobenzene	100000		5.5 U	5.6 U	6300 UD	5.6 U	5.9 U	6 U	16000 UD
1,2-Dichloroethane	3100		1.1 U	1.1 U	1300 UD	1.1 U	1.2 U	1.2 U	3300 UD
1,2-Dichloropropane	--		3.8 U	3.9 U	4400 UD	3.9 U	4.1 U	4.2 U	12000 UD
1,3-Dichlorobenzene	49000		5.5 U	5.6 U	6300 UD	5.6 U	5.9 U	6 U	16000 UD
1,4-Dichlorobenzene	13000		5.5 U	5.6 U	6300 UD	5.6 U	5.9 U	6 U	16000 UD
1,4-Dioxane	13000		110 U	110 U	130000 UD	110 U	120 U	120 U	330000 UD
2-Butanone (MEK)	100000		10 J	11 U	13000 UD	11 U	12 U	12 U	33000 UD
2-Hexanone	--		11 U	11 U	13000 UD	11 U	12 U	12 U	33000 UD
4-Methyl-2-pentanone (MIBK)	--		11 U	11 U	13000 UD	11 U	12 U	12 U	33000 UD
Acetone	100000		86	21	13000 UD	7.6 J	9.4 J	10 J	33000 UD
Benzene	4800		1.1 U	1.1 U	1300 UD	1.1 U	1.2 U	1.2 U	3300 UD
Bromochloromethane	--		5.5 U	5.6 U	6300 UD	5.6 U	5.9 U	6 U	16000 UD
Bromodichloromethane	--		1.1 U	1.1 U	1300 UD	1.1 U	1.2 U	1.2 U	3300 UD
Bromoform	--		4.4 U	4.5 U	5100 UD	4.5 U	4.7 U	4.8 U	13000 UD
Bromomethane	--		2.2 U	2.2 U	2500 UD	2.2 U	2.3 U	2.4 U	6600 UD
Carbon disulfide	--		11 U	11 U	13000 UD	11 U	12 U	12 U	33000 UD
Carbon tetrachloride	2400		1.1 U	1.1 U	1300 UD	1.1 U	1.2 U	1.2 U	3300 UD
Chlorobenzene	100000		1.1 U	1.1 U	1300 UD	1.1 U	1.2 U	1.2 U	3300 UD
Chloroethane	--		2.2 U	2.2 U	2500 UD	2.2 U	2.3 U	2.4 U	6600 UD
Chloroform	49000		1.6 U	1.7 U	1900 UD	1.7 U	1.8 U	1.8 U	4900 UD
Chloromethane	--		5.5 U	5.6 U	6300 UD	5.6 U	5.9 U	6 U	16000 UD
cis-1,2-Dichloroethene	100000		1.1 U	1.1 U	1300 UD	1.1 U	1.2 U	1.2 U	3300 UD
cis-1,3-Dichloropropene	--		1.1 U	1.1 U	1300 UD	1.1 U	1.2 U	1.2 U	3300 UD
Dibromochloromethane	--		1.1 U	1.1 U	1300 UD	1.1 U	1.2 U	1.2 U	3300 UD
Dibromochloropropane	--		5.5 U	5.6 U	6300 UD	5.6 U	5.9 U	6 U	16000 UD
Dichlorodifluoromethane	--		11 U	11 U	13000 UD	11 U	12 U	12 U	33000 UD
Ethylbenzene	41000		1.1 U	1.1 U	1300 UD	1.1 U	1.2 U	1.2 U	5800 D

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC								
	Part 375	Sample Designation:	B-9	B-9	B-9	B-9	B-10	B-10	B-10
	Restricted	Sample Date:	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/20/2013	12/20/2013	12/20/2013
	Residential	Sample Depth (ft bls):	0 - 2	5 - 7	7 - 9	19 - 20	0 - 2	5 - 7	10 - 12
Freon 113	--		22 U	22 U	25000 UD	22 U	23 U	24 U	66000 UD
Isopropylbenzene	--		1.1 U	3.7	1400 D	5.2	1.2 U	1.2 U	9200 D
m+p-Xylene	--		0.95 J	1 J	2500 UD	4.3	2.3 U	2.4 U	14000 D
Methylene chloride	100000		5.4 J	5.4 J	13000 UD	11 U	12 U	12 U	33000 UD
MTBE	100000		2.2 U	2.2 U	2500 UD	2.2 U	2.3 U	2.4 U	6600 UD
o-Xylene	--		2.2 U	1.3 J	2500 UD	2.2 U	2.3 U	2.4 U	8000 D
Styrene	--		2.2 U	2.2 U	1500 JD	2.2 U	2.3 U	2.4 U	6600 UD
Tetrachloroethene	19000		1.1 U	1.1 U	1300 UD	1.1 U	1.2 U	1.2 U	3300 UD
Toluene	100000		1.6 U	1.7 U	1900 UD	1.7 U	1.8 U	1.8 U	4900 UD
trans-1,2-Dichloroethene	100000		1.6 U	1.7 U	1900 UD	1.7 U	1.8 U	1.8 U	4900 UD
trans-1,3-Dichloropropene	--		1.1 U	1.1 U	1300 UD	1.1 U	1.2 U	1.2 U	3300 UD
Trichloroethene	21000		1.1 U	1.1 U	1300 UD	1.1 U	1.2 U	1.2 U	3300 UD
Trichlorofluoromethane	--		5.5 U	5.6 U	6300 UD	5.6 U	5.9 U	6 U	16000 UD
Vinyl chloride	900		2.2 U	2.2 U	2500 UD	2.2 U	2.3 U	2.4 U	6600 UD
Xylenes (total)	100000		0.95 J	2.3 J	2500 UD	4.3	2.3 U	2.4 U	22000 D

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

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

linear range of the instrument

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	B-10	B-11	B-11	B-11	B-11	B-12	B-12	B-12
	Part 375		B-10	B-11	B-11	B-11	B-11	B-12	B-12	B-12
	Restricted Residential		12/20/2013	1/2/2014	1/6/2014	1/6/2014	1/6/2014	12/19/2013	1/15/2014	1/15/2014
			17.5 - 18	0 - 2	8 - 10	11 - 13	15 - 17	0 - 2	7 - 9	12 - 14
1,1,1-Trichloroethane	100000		1.1 U	1.1 U	67 UD	1300 UD	1.2 U	1 U	1.1 U	61 UD
1,1,2,2-Tetrachloroethane	--		1.1 U	1.1 U	67 UD	1300 UD	1.2 U	1 U	1.1 U	61 UD
1,1,2-Trichloroethane	--		1.7 U	1.7 U	100 UD	1900 UD	1.7 U	1.6 U	1.6 U	92 UD
1,1-Dichloroethane	26000		1.7 U	1.7 U	100 UD	1900 UD	1.7 U	1.6 U	1.6 U	92 UD
1,1-Dichloroethene	100000		1.1 U	1.1 U	67 UD	1300 UD	1.2 U	1 U	1.1 U	61 UD
1,2,3-Trichlorobenzene	--		5.6 U	5.7 U	330 UD	6400 UD	5.8 U	5.2 U	5.4 U	310 UD
1,2,4-Trichlorobenzene	--		5.6 U	5.7 U	330 UD	6400 UD	5.8 U	5.2 U	5.4 U	310 UD
1,2-Dibromoethane	--		4.5 U	4.6 U	270 UD	5100 UD	4.6 U	4.1 U	4.3 U	240 UD
1,2-Dichlorobenzene	100000		5.6 U	5.7 U	330 UD	6400 UD	5.8 U	5.2 U	5.4 U	310 UD
1,2-Dichloroethane	3100		1.1 U	1.1 U	67 UD	1300 UD	1.2 U	1 U	1.1 U	61 UD
1,2-Dichloropropane	--		3.9 U	4 U	230 UD	4500 UD	4.1 U	3.6 U	3.8 U	210 UD
1,3-Dichlorobenzene	49000		5.6 U	5.7 U	330 UD	6400 UD	5.8 U	5.2 U	5.4 U	310 UD
1,4-Dichlorobenzene	13000		5.6 U	5.7 U	330 UD	6400 UD	5.8 U	5.2 U	5.4 U	310 UD
1,4-Dioxane	13000		110 U	110 U	6700 UD	130000 UD	120 U	100 U	110 U	6100 UD
2-Butanone (MEK)	100000		11 U	11 U	670 UD	13000 UD	12 U	10 U	11 U	610 UD
2-Hexanone	--		11 U	11 U	670 UD	13000 UD	12 U	10 U	11 U	610 UD
4-Methyl-2-pentanone (MIBK)	--		11 U	11 U	670 UD	13000 UD	12 U	10 U	11 U	610 UD
Acetone	100000		25	11 U	670 UD	13000 UD	7.9 J	10 U	4.3 J	610 UD
Benzene	4800		1.1 U	1.1 U	67 UD	1300 UD	1.2 U	1 U	1.1 U	61 UD
Bromochloromethane	--		5.6 U	5.7 U	330 UD	6400 UD	5.8 U	5.2 U	5.4 U	310 UD
Bromodichloromethane	--		1.1 U	1.1 U	67 UD	1300 UD	1.2 U	1 U	1.1 U	61 UD
Bromoform	--		4.5 U	4.6 U	270 UD	5100 UD	4.6 U	4.1 U	4.3 U	240 UD
Bromomethane	--		2.2 U	2.3 U	130 UD	2600 UD	2.3 U	2.1 U	2.2 U	120 UD
Carbon disulfide	--		11 U	11 U	670 UD	13000 UD	12 U	10 U	11 U	610 UD
Carbon tetrachloride	2400		1.1 U	1.1 U	67 UD	1300 UD	1.2 U	1 U	1.1 U	61 UD
Chlorobenzene	100000		1.1 U	1.1 U	67 UD	1300 UD	1.2 U	1 U	1.1 U	61 UD
Chloroethane	--		2.2 U	2.3 U	130 UD	2600 UD	2.3 U	2.1 U	2.2 U	120 UD
Chloroform	49000		1.7 U	1.7 U	100 UD	1900 UD	1.7 U	1.6 U	1.6 U	92 UD
Chloromethane	--		5.6 U	5.7 U	330 UD	6400 UD	5.8 U	5.2 U	5.4 U	310 UD
cis-1,2-Dichloroethene	100000		1.1 U	1.1 U	67 UD	1300 UD	1.2 U	1 U	1.1 U	61 UD
cis-1,3-Dichloropropene	--		1.1 U	1.1 U	67 UD	1300 UD	1.2 U	1 U	1.1 U	61 UD
Dibromochloromethane	--		1.1 U	1.1 U	67 UD	1300 UD	1.2 U	1 U	1.1 U	61 UD
Dibromochloropropane	--		5.6 U	5.7 U	330 UD	6400 UD	5.8 U	5.2 U	5.4 U	310 UD
Dichlorodifluoromethane	--		11 U	11 U	670 UD	13000 UD	12 U	10 U	11 U	610 UD
Ethylbenzene	41000		1.1 U	1.1 U	67 UD	1300 UD	1.2 U	1 U	1.1 U	61 UD

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	B-10	B-11	B-11	B-11	B-11	B-12	B-12	B-12
	Part 375		B-10	B-11	B-11	B-11	B-11	B-12	B-12	B-12
	Restricted		12/20/2013	1/2/2014	1/6/2014	1/6/2014	1/6/2014	12/19/2013	1/15/2014	1/15/2014
	Residential		17.5 - 18	0 - 2	8 - 10	11 - 13	15 - 17	0 - 2	7 - 9	12 - 14
Freon 113	--		22 U	23 U	1300 UD	26000 UD	23 U	21 U	22 U	1200 UD
Isopropylbenzene	--		1.1 U	1.1 U	120 D	3200 D	3.3	1 U	1.1 U	61 UD
m+p-Xylene	--		2.2 U	2.3 U	130 UD	2600 UD	2.3 U	2.1 U	2.2 U	120 UD
Methylene chloride	100000		11 U	11 U	670 UD	13000 UD	12 U	10 U	11 U	610 UD
MTBE	100000		2.2 U	2.3 U	130 UD	2600 UD	2.3 U	2.1 U	2.2 U	120 UD
o-Xylene	--		2.2 U	2.3 U	130 UD	2600 UD	2.3 U	2.1 U	2.2 U	120 UD
Styrene	--		2.2 U	2.3 U	130 UD	2600 UD	2.3 U	2.1 U	2.2 U	120 UD
Tetrachloroethene	19000		1.1 U	1.1 U	47 JD	1300 UD	1.2 U	1 U	1.1 U	61 UD
Toluene	100000		1.7 U	1.7 U	100 UD	1900 UD	1.7 U	1.6 U	1.6 U	92 UD
trans-1,2-Dichloroethene	100000		1.7 U	1.7 U	100 UD	1900 UD	1.7 U	1.6 U	1.6 U	92 UD
trans-1,3-Dichloropropene	--		1.1 U	1.1 U	67 UD	1300 UD	1.2 U	1 U	1.1 U	61 UD
Trichloroethene	21000		1.1 U	1.1 U	67 UD	1300 UD	1.2 U	1 U	1.1 U	61 UD
Trichlorofluoromethane	--		5.6 U	5.7 U	330 UD	6400 UD	5.8 U	5.2 U	5.4 U	310 UD
Vinyl chloride	900		2.2 U	2.3 U	130 UD	2600 UD	2.3 U	2.1 U	2.2 U	120 UD
Xylenes (total)	100000		2.2 U	2.3 U	130 UD	2600 UD	2.3 U	2.1 U	2.2 U	120 UD

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:	B-12	B-13	B-13	B-13	B-13	B-14	B-14	B-14
	Part 375	Sample Date:	1/15/2014	12/19/2013	1/15/2014	1/15/2014	1/15/2014	12/19/2013	1/15/2014	1/15/2014
	Restricted Residential	Sample Depth (ft bls):	21 - 22.5	0 - 2	7 - 9	10 - 12	16 - 18	0 - 2	7 - 9	10 - 12
1,1,1-Trichloroethane	100000		1.2 U	1.1 U	1.1 U	1.3 U	1200 UD	1.1 U	1.2 U	1.3 U
1,1,2,2-Tetrachloroethane	--		1.2 U	1.1 U	1.1 U	1.3 U	1200 UD	1.1 U	1.2 U	1.3 U
1,1,2-Trichloroethane	--		1.8 U	1.7 U	1.7 U	1.9 U	1800 UD	1.7 U	1.7 U	1.9 U
1,1-Dichloroethane	26000		1.8 U	1.7 U	1.7 U	1.9 U	1800 UD	1.7 U	1.7 U	1.9 U
1,1-Dichloroethene	100000		1.2 U	1.1 U	1.1 U	1.3 U	1200 UD	1.1 U	1.2 U	1.3 U
1,2,3-Trichlorobenzene	--		6 U	5.7 U	5.7 U	6.4 U	5800 UD	5.6 U	5.8 U	6.3 U
1,2,4-Trichlorobenzene	--		6 U	5.7 U	5.7 U	6.4 U	5800 UD	5.6 U	5.8 U	6.3 U
1,2-Dibromoethane	--		4.8 U	4.6 U	4.6 U	5.2 U	4700 UD	4.5 U	4.6 U	5 U
1,2-Dichlorobenzene	100000		6 U	5.7 U	5.7 U	6.4 U	5800 UD	5.6 U	5.8 U	6.3 U
1,2-Dichloroethane	3100		1.2 U	1.1 U	1.1 U	1.3 U	1200 UD	1.1 U	1.2 U	1.3 U
1,2-Dichloropropane	--		4.2 U	4 U	4 U	4.5 U	4100 UD	3.9 U	4.1 U	4.4 U
1,3-Dichlorobenzene	49000		6 U	5.7 U	5.7 U	6.4 U	5800 UD	5.6 U	5.8 U	6.3 U
1,4-Dichlorobenzene	13000		6 U	5.7 U	5.7 U	6.4 U	5800 UD	5.6 U	5.8 U	6.3 U
1,4-Dioxane	13000		120 U	110 U	110 U	130 U	120000 UD	110 U	120 U	130 U
2-Butanone (MEK)	100000		2.6 J	11 U	11 U	13 U	1900 JD	11 U	12 U	13 U
2-Hexanone	--		12 U	11 U	11 U	13 U	12000 UD	11 U	12 U	13 U
4-Methyl-2-pentanone (MIBK)	--		12 U	11 U	11 U	13 U	12000 UD	11 U	12 U	13 U
Acetone	100000		18	7.8 J	6.3 J	5.1 J	4800 JD	11 U	12 U	13 U
Benzene	4800		1.2 U	1.1 U	1.1 U	1.3 U	1200 UD	1.1 U	1.2 U	1.3 U
Bromochloromethane	--		6 U	5.7 U	5.7 U	6.4 U	5800 UD	5.6 U	5.8 U	6.3 U
Bromodichloromethane	--		1.2 U	1.1 U	1.1 U	1.3 U	1200 UD	1.1 U	1.2 U	1.3 U
Bromoform	--		4.8 U	4.6 U	4.6 U	5.2 U	4700 UD	4.5 U	4.6 U	5 U
Bromomethane	--		2.4 U	2.3 U	2.3 U	2.6 U	2300 UD	2.2 U	2.3 U	2.5 U
Carbon disulfide	--		12 U	11 U	11 U	13 U	12000 UD	11 U	12 U	13 U
Carbon tetrachloride	2400		1.2 U	1.1 U	1.1 U	1.3 U	1200 UD	1.1 U	1.2 U	1.3 U
Chlorobenzene	100000		1.2 U	1.1 U	1.1 U	1.3 U	1200 UD	1.1 U	1.2 U	1.3 U
Chloroethane	--		2.4 U	2.3 U	2.3 U	2.6 U	2300 UD	2.2 U	2.3 U	2.5 U
Chloroform	49000		1.8 U	1.7 U	1.7 U	1.9 U	1800 UD	1.7 U	1.7 U	1.9 U
Chloromethane	--		6 U	5.7 U	5.7 U	6.4 U	5800 UD	5.6 U	5.8 U	6.3 U
cis-1,2-Dichloroethene	100000		1.2 U	1.1 U	1.1 U	1.3 U	1200 UD	1.1 U	1.2 U	1.3 U
cis-1,3-Dichloropropene	--		1.2 U	1.1 U	1.1 U	1.3 U	1200 UD	1.1 U	1.2 U	1.3 U
Dibromochloromethane	--		1.2 U	1.1 U	1.1 U	1.3 U	1200 UD	1.1 U	1.2 U	1.3 U
Dibromochloropropane	--		6 U	5.7 U	5.7 U	6.4 U	5800 UD	5.6 U	5.8 U	6.3 U
Dichlorodifluoromethane	--		12 U	11 U	11 U	13 U	12000 UD	11 U	12 U	13 U
Ethylbenzene	41000		1.2 U	1.1 U	1.1 U	1.3 U	1200 UD	1.1 U	1.2 U	1.3 U

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	B-12	B-13	B-13	B-13	B-13	B-14	B-14	B-14
	Part 375		B-12	B-13	B-13	B-13	B-13	B-14	B-14	B-14
	Restricted		1/15/2014	12/19/2013	1/15/2014	1/15/2014	1/15/2014	12/19/2013	1/15/2014	1/15/2014
	Residential		21 - 22.5	0 - 2	7 - 9	10 - 12	16 - 18	0 - 2	7 - 9	10 - 12
Freon 113	--		24 U	23 U	23 U	26 U	23000 UD	22 U	23 U	25 U
Isopropylbenzene	--		1.2 U	1.1 U	1.2	77	6000 D	1.1 U	1.2 U	1.3 U
m+p-Xylene	--		2.4 U	2.3 U	2.3 U	2.6 U	2300 UD	2.2 U	2.3 U	2.5 U
Methylene chloride	100000		12 U	2.4 J	11 U	13 U	12000 UD	11 U	12 U	13 U
MTBE	100000		2.4 U	2.3 U	2.3 U	2.6 U	2300 UD	2.2 U	2.3 U	2.5 U
o-Xylene	--		2.4 U	2.3 U	2.3 U	2.6 U	2300 UD	2.2 U	2.3 U	2.5 U
Styrene	--		2.4 U	2.3 U	2.3 U	2.6 U	2300 UD	2.2 U	2.3 U	2.5 U
Tetrachloroethene	19000		1.2 U	1.1 U	1.1 U	1.3 U	1200 UD	1.1 U	1.2 U	1.3 U
Toluene	100000		1.8 U	1.7 U	1.7 U	1.9 U	1800 UD	1.7 U	1.7 U	1.9 U
trans-1,2-Dichloroethene	100000		1.8 U	1.7 U	1.7 U	1.9 U	1800 UD	1.7 U	1.7 U	1.9 U
trans-1,3-Dichloropropene	--		1.2 U	1.1 U	1.1 U	1.3 U	1200 UD	1.1 U	1.2 U	1.3 U
Trichloroethene	21000		1.2 U	1.1 U	1.1 U	1.3 U	1200 UD	1.1 U	1.2 U	1.3 U
Trichlorofluoromethane	--		6 U	5.7 U	5.7 U	6.4 U	5800 UD	5.6 U	5.8 U	6.3 U
Vinyl chloride	900		2.4 U	2.3 U	2.3 U	2.6 U	2300 UD	2.2 U	2.3 U	2.5 U
Xylenes (total)	100000		2.4 U	2.3 U	2.3 U	2.6 U	2300 UD	2.2 U	2.3 U	2.5 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

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

linear range of the instrument

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:	B-14	B-15	B-15	B-15	B-15	B-16	B-16	B-16
	Part 375	Sample Date:	1/15/2014	12/31/2013	1/10/2014	1/10/2014	1/10/2014	12/19/2013	1/16/2014	1/16/2014
	Restricted Residential	Sample Depth (ft bls):	17 - 18.5	0 - 2	5 - 7	7 - 9	10 - 11	0 - 2	7 - 9	10 - 12
1,1,1-Trichloroethane	100000		1.2 U	1.2 U	1.2 U	1200 UD	3.2 UD	1 U	1.1 U	1.2 U
1,1,2,2-Tetrachloroethane	--		1.2 U	1.2 U	1.2 U	1200 UD	3.2 UD	1 U	1.1 U	1.2 U
1,1,2-Trichloroethane	--		1.7 U	1.8 U	1.8 U	1900 UD	4.8 UD	1.6 U	1.7 U	1.8 U
1,1-Dichloroethane	26000		1.7 U	1.8 U	1.8 U	1900 UD	4.8 UD	1.6 U	1.7 U	1.8 U
1,1-Dichloroethene	100000		1.2 U	1.2 U	1.2 U	1200 UD	3.2 UD	1 U	1.1 U	1.2 U
1,2,3-Trichlorobenzene	--		5.8 U	5.9 U	5.9 U	6200 UD	16 UD	5.2 U	5.7 U	6.1 U
1,2,4-Trichlorobenzene	--		5.8 U	5.9 U	5.9 U	6200 UD	16 UD	5.2 U	5.7 U	6.1 U
1,2-Dibromoethane	--		4.6 U	4.7 U	4.7 U	5000 UD	13 UD	4.2 U	4.5 U	4.9 U
1,2-Dichlorobenzene	100000		5.8 U	5.9 U	5.9 U	6200 UD	16 UD	5.2 U	5.7 U	6.1 U
1,2-Dichloroethane	3100		1.2 U	1.2 U	1.2 U	1200 UD	3.2 UD	1 U	1.1 U	1.2 U
1,2-Dichloropropane	--		4.1 U	4.1 U	4.1 U	4400 UD	11 UD	3.7 U	4 U	4.3 U
1,3-Dichlorobenzene	49000		5.8 U	5.9 U	5.9 U	6200 UD	16 UD	5.2 U	5.7 U	6.1 U
1,4-Dichlorobenzene	13000		5.8 U	5.9 U	5.9 U	6200 UD	16 UD	5.2 U	5.7 U	6.1 U
1,4-Dioxane	13000		120 U	120 U	120 U	120000 UD	320 UD	100 U	110 U	120 U
2-Butanone (MEK)	100000		12 U	4.3 J	12 U	12000 UD	10 JD	10 U	11 U	12 U
2-Hexanone	--		12 U	12 U	12 U	12000 UD	32 UD	10 U	11 U	12 U
4-Methyl-2-pentanone (MIBK)	--		12 U	12 U	12 U	12000 UD	32 UD	10 U	11 U	12 U
Acetone	100000		6 J	50	12 U	12000 UD	49 D	10 U	11 U	4.1 J
Benzene	4800		1.2 U	1.2 U	1.2 U	1200 UD	3.2 UD	1 U	1.1 U	1.2 U
Bromochloromethane	--		5.8 U	5.9 U	5.9 U	6200 UD	16 UD	5.2 U	5.7 U	6.1 U
Bromodichloromethane	--		1.2 U	1.2 U	1.2 U	1200 UD	3.2 UD	1 U	1.1 U	1.2 U
Bromoform	--		4.6 U	4.7 U	4.7 U	5000 UD	13 UD	4.2 U	4.5 U	4.9 U
Bromomethane	--		2.3 U	2.4 U	2.4 U	2500 UD	6.4 UD	2.1 U	2.3 U	2.4 U
Carbon disulfide	--		12 U	12 U	12 U	12000 UD	8.6 JD	10 U	11 U	12 U
Carbon tetrachloride	2400		1.2 U	1.2 U	1.2 U	1200 UD	3.2 UD	1 U	1.1 U	1.2 U
Chlorobenzene	100000		1.2 U	1.2 U	1.2 U	1200 UD	3.2 UD	1 U	1.1 U	1.2 U
Chloroethane	--		2.3 U	2.4 U	2.4 U	2500 UD	6.4 UD	2.1 U	2.3 U	2.4 U
Chloroform	49000		1.7 U	1.8 U	1.8 U	1900 UD	4.8 UD	1.6 U	1.7 U	1.8 U
Chloromethane	--		5.8 U	5.9 U	5.9 U	6200 UD	16 UD	5.2 U	5.7 U	6.1 U
cis-1,2-Dichloroethene	100000		1.2 U	1.2 U	1.2 U	1200 UD	3.2 UD	1 U	1.1 U	1.2 U
cis-1,3-Dichloropropene	--		1.2 U	1.2 U	1.2 U	1200 UD	3.2 UD	1 U	1.1 U	1.2 U
Dibromochloromethane	--		1.2 U	1.2 U	1.2 U	1200 UD	3.2 UD	1 U	1.1 U	1.2 U
Dibromochloropropane	--		5.8 U	5.9 U	5.9 U	6200 UD	16 UD	5.2 U	5.7 U	6.1 U
Dichlorodifluoromethane	--		12 U	12 U	12 U	12000 UD	32 UD	10 U	11 U	12 U
Ethylbenzene	41000		1.2 U	1.2 U	1.2 U	1200 UD	3.2 UD	1 U	1.7	1.2 U

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	B-14	B-15	B-15	B-15	B-15	B-16	B-16	B-16
	Part 375		B-14	B-15	B-15	B-15	B-15	B-16	B-16	B-16
	Restricted		1/15/2014	12/31/2013	1/10/2014	1/10/2014	1/10/2014	12/19/2013	1/16/2014	1/16/2014
	Residential		17 - 18.5	0 - 2	5 - 7	7 - 9	10 - 11	0 - 2	7 - 9	10 - 12
Freon 113	--		23 U	24 U	24 U	25000 UD	64 UD	21 U	23 U	24 U
Isopropylbenzene	--		1.2 U	1.2 U	1.2 U	3200 D	110 D	1 U	2.1	1.2 U
m+p-Xylene	--		2.3 U	1.2 J	2.4 U	2500 UD	6.4 UD	2.1 U	3.2	2.4 U
Methylene chloride	100000		12 U	12 U	12 U	12000 UD	32 UD	10 U	11 U	12 U
MTBE	100000		2.3 U	2.4 U	2.4 U	2500 UD	6.4 UD	2.1 U	2.3 U	2.4 U
o-Xylene	--		2.3 U	2.4 U	2.4 U	2500 UD	6.4 UD	2.1 U	2.3 U	2.4 U
Styrene	--		2.3 U	2.4 U	2.4 U	2500 UD	6.4 UD	2.1 U	2.3 U	2.4 U
Tetrachloroethene	19000		1.2 U	1.2 U	1.2 U	1200 UD	3.2 UD	1 U	1.1 U	1.2 U
Toluene	100000		1.7 U	1.8 U	1.8 U	1900 UD	4.8 UD	1.6 U	1 J	1.8 U
trans-1,2-Dichloroethene	100000		1.7 U	1.8 U	1.8 U	1900 UD	4.8 UD	1.6 U	1.7 U	1.8 U
trans-1,3-Dichloropropene	--		1.2 U	1.2 U	1.2 U	1200 UD	3.2 UD	1 U	1.1 U	1.2 U
Trichloroethene	21000		1.2 U	1.2 U	1.2 U	1200 UD	3.2 UD	1 U	1.1 U	1.2 U
Trichlorofluoromethane	--		5.8 U	5.9 U	5.9 U	6200 UD	16 UD	5.2 U	5.7 U	6.1 U
Vinyl chloride	900		2.3 U	2.4 U	2.4 U	2500 UD	6.4 UD	2.1 U	2.3 U	2.4 U
Xylenes (total)	100000		2.3 U	1.2 J	2.4 U	2500 UD	6.4 UD	2.1 U	3.2	2.4 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

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

linear range of the instrument

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:	B-16	B-17	B-17	B-18	B-18	B-18	B-19
	Part 375	Sample Date:	1/16/2014	1/20/2014	1/20/2014	12/18/2013	12/18/2013	12/18/2013	12/17/2013
	Restricted Residential	Sample Depth (ft bls):	18 - 20	0 - 2	7 - 9	0 - 2	6 - 8	8 - 10	0 - 2
1,1,1-Trichloroethane	100000		1.2 U	1.1 U	58 UD	1.1 U	1.1 U	1200 UD	1.1 U
1,1,2,2-Tetrachloroethane	--		1.2 U	1.1 U	58 UD	1.1 U	1.1 U	1200 UD	1.1 U
1,1,2-Trichloroethane	--		1.7 U	1.7 U	86 UD	1.6 U	1.6 U	1800 UD	1.6 U
1,1-Dichloroethane	26000		1.7 U	1.7 U	86 UD	1.6 U	1.6 U	1800 UD	1.6 U
1,1-Dichloroethene	100000		1.2 U	1.1 U	58 UD	1.1 U	1.1 U	1200 UD	1.1 U
1,2,3-Trichlorobenzene	--		5.8 U	5.6 U	290 UD	5.4 U	5.5 U	6100 UD	5.5 U
1,2,4-Trichlorobenzene	--		5.8 U	5.6 U	290 UD	5.4 U	5.5 U	6100 UD	5.5 U
1,2-Dibromoethane	--		4.7 U	4.5 U	230 UD	4.3 U	4.4 U	4900 UD	4.4 U
1,2-Dichlorobenzene	100000		5.8 U	5.6 U	290 UD	5.4 U	5.5 U	6100 UD	5.5 U
1,2-Dichloroethane	3100		1.2 U	1.1 U	58 UD	1.1 U	1.1 U	1200 UD	1.1 U
1,2-Dichloropropane	--		4.1 U	3.9 U	200 UD	3.8 U	3.8 U	4300 UD	3.8 U
1,3-Dichlorobenzene	49000		5.8 U	5.6 U	290 UD	5.4 U	5.5 U	6100 UD	5.5 U
1,4-Dichlorobenzene	13000		5.8 U	5.6 U	290 UD	5.4 U	5.5 U	6100 UD	5.5 U
1,4-Dioxane	13000		120 U	110 U	5800 UD	110 U	110 U	120000 UD	110 U
2-Butanone (MEK)	100000		12 U	2.8 J	580 UD	11 U	11 U	12000 UD	11 U
2-Hexanone	--		12 U	11 U	580 UD	11 U	11 U	12000 UD	11 U
4-Methyl-2-pentanone (MIBK)	--		12 U	11 U	580 UD	11 U	11 U	12000 UD	11 U
Acetone	100000		12 U	23	580 UD	8.2 J	11 U	12000 UD	16
Benzene	4800		1.2 U	1.1 U	58 UD	1.1 U	1.1 U	1200 UD	1.1 U
Bromochloromethane	--		5.8 U	5.6 U	290 UD	5.4 U	5.5 U	6100 UD	5.5 U
Bromodichloromethane	--		1.2 U	1.1 U	58 UD	1.1 U	1.1 U	1200 UD	1.1 U
Bromoform	--		4.7 U	4.5 U	230 UD	4.3 U	4.4 U	4900 UD	4.4 U
Bromomethane	--		2.3 U	2.2 U	120 UD	2.2 U	2.2 U	2400 UD	2.2 U
Carbon disulfide	--		12 U	11 U	580 UD	11 U	11 U	12000 UD	11 U
Carbon tetrachloride	2400		1.2 U	1.1 U	58 UD	1.1 U	1.1 U	1200 UD	1.1 U
Chlorobenzene	100000		1.2 U	1.1 U	58 UD	1.1 U	1.1 U	1200 UD	1.1 U
Chloroethane	--		2.3 U	2.2 U	120 UD	2.2 U	2.2 U	2400 UD	2.2 U
Chloroform	49000		1.7 U	1.7 U	86 UD	1.6 U	1.6 U	1800 UD	1.6 U
Chloromethane	--		5.8 U	5.6 U	290 UD	5.4 U	5.5 U	6100 UD	5.5 U
cis-1,2-Dichloroethene	100000		1.2 U	1.1 U	58 UD	1.1 U	1.1 U	1200 UD	1.1 U
cis-1,3-Dichloropropene	--		1.2 U	1.1 U	58 UD	1.1 U	1.1 U	1200 UD	1.1 U
Dibromochloromethane	--		1.2 U	1.1 U	58 UD	1.1 U	1.1 U	1200 UD	1.1 U
Dibromochloropropane	--		5.8 U	5.6 U	290 UD	5.4 U	5.5 U	6100 UD	5.5 U
Dichlorodifluoromethane	--		12 U	11 U	580 UD	11 U	11 U	12000 UD	11 U
Ethylbenzene	41000		1.2 U	1.1 U	58 UD	1.1 U	1.1 U	1200 UD	1.1 U

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	B-16	B-17	B-17	B-18	B-18	B-18	B-19
	Part 375		1/16/2014	1/20/2014	1/20/2014	12/18/2013	12/18/2013	12/18/2013	12/17/2013
	Restricted		18 - 20	0 - 2	7 - 9	0 - 2	6 - 8	8 - 10	0 - 2
	Residential								
Freon 113	--		23 U	22 U	1200 UD	22 U	22 U	24000 UD	22 U
Isopropylbenzene	--		1.2 U	1.1 U	370 D	1.1 U	1.1 U	1600 D	1.1 U
m+p-Xylene	--		2.3 U	2.2 U	120 UD	1.1 J	1 J	2400 UD	2.2 U
Methylene chloride	100000		12 U	11 U	580 UD	5.1 J	4.4 J	12000 UD	11 U
MTBE	100000		2.3 U	2.2 U	120 UD	2.2 U	2.2 U	2400 UD	2.2 U
o-Xylene	--		2.3 U	2.2 U	120 UD	2.2 U	1.2 J	2400 UD	2.2 U
Styrene	--		2.3 U	2.2 U	120 UD	2.2 U	2.2 U	1400 JD	2.2 U
Tetrachloroethene	19000		1.2 U	1.1 U	58 UD	1.1 U	1.1 U	1200 UD	1.1 U
Toluene	100000		1.7 U	1.7 U	86 UD	0.74 J	1.6 U	1800 UD	1.6 U
trans-1,2-Dichloroethene	100000		1.7 U	1.7 U	86 UD	1.6 U	1.6 U	1800 UD	1.6 U
trans-1,3-Dichloropropene	--		1.2 U	1.1 U	58 UD	1.1 U	1.1 U	1200 UD	1.1 U
Trichloroethene	21000		1.2 U	1.1 U	58 UD	1.1 U	1.1 U	1200 UD	1.1 U
Trichlorofluoromethane	--		5.8 U	5.6 U	290 UD	5.4 U	5.5 U	6100 UD	5.5 U
Vinyl chloride	900		2.3 U	2.2 U	120 UD	2.2 U	2.2 U	2400 UD	2.2 U
Xylenes (total)	100000		2.3 U	2.2 U	120 UD	1.1 J	2.2 J	2400 UD	2.2 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

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Restricted Residential Standards

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of the calibration range in the original sample.

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

linear range of the instrument

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC								
	Part 375	Sample Designation:	B-19	B-19	B-20	B-20	B-20	B-21	B-21
	Restricted	Sample Date:	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013
	Residential	Sample Depth (ft bls):	6 - 8	8 - 10	0 - 2	5 - 7	7 - 8	0 - 2	5 - 7
1,1,1-Trichloroethane	100000		1.1 U	1200 UD	1.1 U	1 U	280 UD	1.1 U	120 UD
1,1,2,2-Tetrachloroethane	--		1.1 U	1200 UD	1.1 U	1 U	280 UD	1.1 U	120 UD
1,1,2-Trichloroethane	--		1.6 U	1700 UD	1.6 U	1.6 U	430 UD	1.7 U	180 UD
1,1-Dichloroethane	26000		1.6 U	1700 UD	1.6 U	1.6 U	430 UD	1.7 U	180 UD
1,1-Dichloroethene	100000		1.1 U	1200 UD	1.1 U	1 U	280 UD	1.1 U	120 UD
1,2,3-Trichlorobenzene	--		5.5 U	5800 UD	5.5 U	5.3 U	1400 UD	5.6 U	600 UD
1,2,4-Trichlorobenzene	--		5.5 U	5800 UD	5.5 U	5.3 U	1400 UD	5.6 U	600 UD
1,2-Dibromoethane	--		4.4 U	4600 UD	4.4 U	4.2 U	1100 UD	4.5 U	480 UD
1,2-Dichlorobenzene	100000		5.5 U	5800 UD	5.5 U	5.3 U	1400 UD	5.6 U	600 UD
1,2-Dichloroethane	3100		1.1 U	1200 UD	1.1 U	1 U	280 UD	1.1 U	120 UD
1,2-Dichloropropane	--		3.8 U	4000 UD	3.8 U	3.7 U	1000 UD	4 U	420 UD
1,3-Dichlorobenzene	49000		5.5 U	5800 UD	5.5 U	5.3 U	1400 UD	5.6 U	600 UD
1,4-Dichlorobenzene	13000		5.5 U	5800 UD	5.5 U	5.3 U	1400 UD	5.6 U	600 UD
1,4-Dioxane	13000		110 U	120000 UD	110 U	100 U	28000 UD	110 U	12000 UD
2-Butanone (MEK)	100000		11 U	12000 UD	11 U	10 U	2800 UD	2.8 J	1200 UD
2-Hexanone	--		11 U	12000 UD	11 U	10 U	2800 UD	11 U	1200 UD
4-Methyl-2-pentanone (MIBK)	--		11 U	12000 UD	11 U	10 U	2800 UD	11 U	1200 UD
Acetone	100000		11 U	12000 UD	13	14	2800 UD	27	1200 UD
Benzene	4800		1.1 U	1200 UD	1.1 U	1 U	280 UD	1.1 U	120 UD
Bromochloromethane	--		5.5 U	5800 UD	5.5 U	5.3 U	1400 UD	5.6 U	600 UD
Bromodichloromethane	--		1.1 U	1200 UD	1.1 U	1 U	280 UD	1.1 U	120 UD
Bromoform	--		4.4 U	4600 UD	4.4 U	4.2 U	1100 UD	4.5 U	480 UD
Bromomethane	--		2.2 U	2300 UD	2.2 U	2.1 U	570 UD	2.2 U	240 UD
Carbon disulfide	--		11 U	12000 UD	11 U	10 U	2800 UD	11 U	1200 UD
Carbon tetrachloride	2400		1.1 U	1200 UD	1.1 U	1 U	280 UD	1.1 U	120 UD
Chlorobenzene	100000		1.1 U	1200 UD	1.1 U	1 U	280 UD	1.1 U	120 UD
Chloroethane	--		2.2 U	2300 UD	2.2 U	2.1 U	570 UD	2.2 U	240 UD
Chloroform	49000		1.6 U	1700 UD	1.6 U	1.6 U	430 UD	1.7 U	180 UD
Chloromethane	--		5.5 U	5800 UD	5.5 U	5.3 U	1400 UD	5.6 U	600 UD
cis-1,2-Dichloroethene	100000		1.1 U	1200 UD	1.1 U	1 U	280 UD	1.1 U	120 UD
cis-1,3-Dichloropropene	--		1.1 U	1200 UD	1.1 U	1 U	280 UD	1.1 U	120 UD
Dibromochloromethane	--		1.1 U	1200 UD	1.1 U	1 U	280 UD	1.1 U	120 UD
Dibromochloropropane	--		5.5 U	5800 UD	5.5 U	5.3 U	1400 UD	5.6 U	600 UD
Dichlorodifluoromethane	--		11 U	12000 UD	11 U	10 U	2800 UD	11 U	1200 UD
Ethylbenzene	41000		1.1 U	1200 UD	1.1 U	1 U	280 UD	1.1 U	390 D

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	B-19	B-19	B-20	B-20	B-20	B-21	B-21
	Part 375		B-19	B-19	B-20	B-20	B-20	B-21	B-21
	Restricted		12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013
	Residential		6 - 8	8 - 10	0 - 2	5 - 7	7 - 8	0 - 2	5 - 7
Freon 113	--		22 U	23000 UD	22 U	21 U	5700 UD	22 U	2400 UD
Isopropylbenzene	--		1.1 U	1200 UD	1.1 U	1.1	2200 D	1.1 U	620 D
m+p-Xylene	--		2.2 U	1100 JD	2.2 U	2.1 U	570 UD	2.2 U	1300 D
Methylene chloride	100000		11 U	12000 UD	11 U	10 U	2800 UD	5.5 J	300 JD
MTBE	100000		2.2 U	2300 UD	2.2 U	2.1 U	570 UD	2.2 U	240 UD
o-Xylene	--		2.2 U	2300 UD	2.2 U	2.1 U	570 UD	2.2 U	1000 D
Styrene	--		2.2 U	2300 UD	2.2 U	2.1 U	330 JD	2.2 U	240 UD
Tetrachloroethene	19000		1.1 U	1200 UD	1.1 U	1 U	280 UD	1.1 U	120 UD
Toluene	100000		1.6 U	1700 UD	1.6 U	1.6 U	430 UD	1.7 U	81 JD
trans-1,2-Dichloroethene	100000		1.6 U	1700 UD	1.6 U	1.6 U	430 UD	1.7 U	180 UD
trans-1,3-Dichloropropene	--		1.1 U	1200 UD	1.1 U	1 U	280 UD	1.1 U	120 UD
Trichloroethene	21000		1.1 U	1200 UD	1.1 U	1 U	280 UD	1.1 U	120 UD
Trichlorofluoromethane	--		5.5 U	5800 UD	5.5 U	5.3 U	1400 UD	5.6 U	600 UD
Vinyl chloride	900		2.2 U	2300 UD	2.2 U	2.1 U	570 UD	2.2 U	240 UD
Xylenes (total)	100000		2.2 U	1100 JD	2.2 U	2.1 U	570 UD	2.2 U	2300 D

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

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

linear range of the instrument

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:	B-21	B-22	B-22 DUP	B-22	B-23	B-23	B-24	B-24
	Part 375	Sample Date:	12/17/2013	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/14/2014	1/14/2014
	Restricted	Sample Depth (ft bls):	7 - 8	0 - 2	0 - 2	4 - 6	0 - 2	2 - 4	0 - 2	2 - 4
	Residential									
1,1,1-Trichloroethane	100000		610 UD	1.2 U	1.2 U	1600 UD	72 UD	260 UD	160 UD	1200 UD
1,1,2,2-Tetrachloroethane	--		610 UD	1.2 U	1.2 U	1600 UD	72 UD	260 UD	160 UD	1200 UD
1,1,2-Trichloroethane	--		910 UD	1.8 U	1.8 U	2400 UD	110 UD	400 UD	240 UD	1800 UD
1,1-Dichloroethane	26000		910 UD	1.8 U	1.8 U	2400 UD	110 UD	400 UD	240 UD	1800 UD
1,1-Dichloroethene	100000		610 UD	1.2 U	1.2 U	1600 UD	72 UD	260 UD	160 UD	1200 UD
1,2,3-Trichlorobenzene	--		3000 UD	6.1 U	6 U	8100 UD	360 UD	1300 UD	780 UD	6100 UD
1,2,4-Trichlorobenzene	--		3000 UD	6.1 U	6 U	8100 UD	360 UD	1300 UD	780 UD	6100 UD
1,2-Dibromoethane	--		2400 UD	4.9 U	4.8 U	6500 UD	290 UD	1000 UD	630 UD	4900 UD
1,2-Dichlorobenzene	100000		3000 UD	6.1 U	6 U	8100 UD	360 UD	1300 UD	780 UD	6100 UD
1,2-Dichloroethane	3100		610 UD	1.2 U	1.2 U	1600 UD	72 UD	260 UD	160 UD	1200 UD
1,2-Dichloropropane	--		2100 UD	4.3 U	4.2 U	5700 UD	250 UD	920 UD	550 UD	4200 UD
1,3-Dichlorobenzene	49000		3000 UD	6.1 U	6 U	8100 UD	360 UD	1300 UD	780 UD	6100 UD
1,4-Dichlorobenzene	13000		3000 UD	6.1 U	6 U	8100 UD	360 UD	1300 UD	780 UD	6100 UD
1,4-Dioxane	13000		61000 UD	120 U	120 U	160000 UD	7200 UD	26000 UD	16000 UD	120000 UD
2-Butanone (MEK)	100000		6100 UD	20	13	16000 UD	220 JD	660 JD	1600 UD	12000 UD
2-Hexanone	--		6100 UD	12 U	12 U	16000 UD	720 UD	2600 UD	1600 UD	12000 UD
4-Methyl-2-pentanone (MIBK)	--		6100 UD	12 U	12 U	16000 UD	720 UD	2600 UD	1600 UD	12000 UD
Acetone	100000		6100 UD	130	80	16000 UD	240 JD	2600 UD	1600 UD	12000 UD
Benzene	4800		610 UD	1.2 U	1.2 U	1600 UD	72 UD	260 UD	160 UD	1200 UD
Bromochloromethane	--		3000 UD	6.1 U	6 U	8100 UD	360 UD	1300 UD	780 UD	6100 UD
Bromodichloromethane	--		610 UD	1.2 U	1.2 U	1600 UD	72 UD	260 UD	160 UD	1200 UD
Bromoform	--		2400 UD	4.9 U	4.8 U	6500 UD	290 UD	1000 UD	630 UD	4900 UD
Bromomethane	--		1200 UD	2.4 U	2.4 U	3200 UD	140 UD	530 UD	310 UD	2400 UD
Carbon disulfide	--		6100 UD	7.8 J	5.1 J	16000 UD	720 UD	2600 UD	1600 UD	12000 UD
Carbon tetrachloride	2400		610 UD	1.2 U	1.2 U	1600 UD	72 UD	260 UD	160 UD	1200 UD
Chlorobenzene	100000		610 UD	1.2 U	1.2 U	1600 UD	72 UD	260 UD	160 UD	1200 UD
Chloroethane	--		1200 UD	2.4 U	2.4 U	3200 UD	140 UD	530 UD	310 UD	2400 UD
Chloroform	49000		910 UD	1.8 U	1.8 U	2400 UD	110 UD	400 UD	240 UD	1800 UD
Chloromethane	--		3000 UD	6.1 U	6 U	8100 UD	360 UD	1300 UD	780 UD	6100 UD
cis-1,2-Dichloroethene	100000		610 UD	1.2 U	1.2 U	1600 UD	72 UD	260 UD	160 UD	1200 UD
cis-1,3-Dichloropropene	--		610 UD	1.2 U	1.2 U	1600 UD	72 UD	260 UD	160 UD	1200 UD
Dibromochloromethane	--		610 UD	1.2 U	1.2 U	1600 UD	72 UD	260 UD	160 UD	1200 UD
Dibromochloropropane	--		3000 UD	6.1 U	6 U	8100 UD	360 UD	1300 UD	780 UD	6100 UD
Dichlorodifluoromethane	--		6100 UD	12 U	12 U	16000 UD	720 UD	2600 UD	1600 UD	12000 UD
Ethylbenzene	41000		610 UD	1.2 U	1.2 U	1600 UD	72 UD	260 UD	120 JD	1200 UD

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	B-21	B-22	B-22 DUP	B-22	B-23	B-23	B-24	B-24
	Restricted	Sample Date:	12/17/2013	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/14/2014	1/14/2014
	Residential	Sample Depth (ft bls):	7 - 8	0 - 2	0 - 2	4 - 6	0 - 2	2 - 4	0 - 2	2 - 4
Freon 113	--		12000 UD	24 U	24 U	32000 UD	1400 UD	5300 UD	3100 UD	24000 UD
Isopropylbenzene	--		2700 D	4.8 JV	2.7 JV	17000 D	110 D	4600 D	160 D	5800 D
m+p-Xylene	--		660 JD	2.4 U	2.4 U	3200 UD	140 UD	530 UD	320 D	2400 UD
Methylene chloride	100000		1400 JD	12 U	12 U	16000 UD	720 UD	2600 UD	1600 UD	12000 UD
MTBE	100000		1200 UD	2.4 U	2.4 U	3200 UD	140 UD	530 UD	310 UD	2400 UD
o-Xylene	--		1200 UD	2.4 U	2.4 U	3200 UD	140 UD	530 UD	310 UD	2400 UD
Styrene	--		1200 UD	2.4 U	2.4 U	3200 UD	140 UD	530 UD	310 UD	2400 UD
Tetrachloroethene	19000		610 UD	1.2 U	1.2 U	1600 UD	72 UD	260 UD	160 UD	1200 UD
Toluene	100000		910 UD	1.8 U	1.8 U	2400 UD	110 UD	400 UD	240 UD	1800 UD
trans-1,2-Dichloroethene	100000		910 UD	1.8 U	1.8 U	2400 UD	110 UD	400 UD	240 UD	1800 UD
trans-1,3-Dichloropropene	--		610 UD	1.2 U	1.2 U	1600 UD	72 UD	260 UD	160 UD	1200 UD
Trichloroethene	21000		610 UD	1.2 U	1.2 U	1600 UD	72 UD	260 UD	160 UD	1200 UD
Trichlorofluoromethane	--		3000 UD	6.1 U	6 U	8100 UD	360 UD	1300 UD	780 UD	6100 UD
Vinyl chloride	900		1200 UD	2.4 U	2.4 U	3200 UD	140 UD	530 UD	310 UD	2400 UD
Xylenes (total)	100000		660 JD	2.4 U	2.4 U	3200 UD	140 UD	530 UD	320 D	2400 UD

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:	B-25	B-25	B-26	B-26	B-27	B-27	MW-1/1R
	Part 375	Sample Date:	1/14/2014	1/14/2014	1/14/2014	1/14/2014	1/14/2014	1/14/2014	12/16/2013
	Restricted Residential	Sample Depth (ft bls):	0 - 2	2 - 4	0 - 2	4 - 6	0 - 2	4 - 6	0 - 2
1,1,1-Trichloroethane	100000		610 UD	320 UD	2500 UD	620 UD	630 UD	1400 UD	1.2 U
1,1,2,2-Tetrachloroethane	--		610 UD	320 UD	2500 UD	620 UD	630 UD	1400 UD	1.2 U
1,1,2-Trichloroethane	--		920 UD	470 UD	3700 UD	940 UD	950 UD	2000 UD	1.8 U
1,1-Dichloroethane	26000		920 UD	470 UD	3700 UD	940 UD	950 UD	2000 UD	1.8 U
1,1-Dichloroethene	100000		610 UD	320 UD	2500 UD	620 UD	630 UD	1400 UD	1.2 U
1,2,3-Trichlorobenzene	--		3000 UD	1600 UD	12000 UD	3100 UD	3200 UD	6800 UD	5.9 U
1,2,4-Trichlorobenzene	--		3000 UD	1600 UD	12000 UD	3100 UD	3200 UD	6800 UD	5.9 U
1,2-Dibromoethane	--		2400 UD	1300 UD	9900 UD	2500 UD	2500 UD	5400 UD	4.7 U
1,2-Dichlorobenzene	100000		3000 UD	1600 UD	12000 UD	3100 UD	3200 UD	6800 UD	5.9 U
1,2-Dichloroethane	3100		610 UD	320 UD	2500 UD	620 UD	630 UD	1400 UD	1.2 U
1,2-Dichloropropane	--		2100 UD	1100 UD	8700 UD	2200 UD	2200 UD	4700 UD	4.1 U
1,3-Dichlorobenzene	49000		3000 UD	1600 UD	12000 UD	3100 UD	3200 UD	6800 UD	5.9 U
1,4-Dichlorobenzene	13000		3000 UD	1600 UD	12000 UD	3100 UD	3200 UD	6800 UD	5.9 U
1,4-Dioxane	13000		61000 UD	32000 UD	250000 UD	62000 UD	63000 UD	140000 UD	120 U
2-Butanone (MEK)	100000		6100 UD	3200 UD	25000 UD	6200 UD	6300 UD	14000 UD	3.3 J
2-Hexanone	--		6100 UD	4600 D	25000 UD	6200 UD	6300 UD	14000 UD	12 U
4-Methyl-2-pentanone (MIBK)	--		6100 UD	3200 UD	25000 UD	6200 UD	6300 UD	14000 UD	12 U
Acetone	100000		6100 UD	3200 UD	25000 UD	6200 UD	6300 UD	14000 UD	37
Benzene	4800		610 UD	320 UD	2500 UD	620 UD	630 UD	1400 UD	1.2 U
Bromochloromethane	--		3000 UD	1600 UD	12000 UD	3100 UD	3200 UD	6800 UD	5.9 U
Bromodichloromethane	--		610 UD	320 UD	2500 UD	620 UD	630 UD	1400 UD	1.2 U
Bromoform	--		2400 UD	1300 UD	9900 UD	2500 UD	2500 UD	5400 UD	4.7 U
Bromomethane	--		1200 UD	630 UD	5000 UD	1200 UD	1300 UD	2700 UD	2.4 U
Carbon disulfide	--		6100 UD	3200 UD	25000 UD	6200 UD	6300 UD	14000 UD	12 U
Carbon tetrachloride	2400		610 UD	320 UD	2500 UD	620 UD	630 UD	1400 UD	1.2 U
Chlorobenzene	100000		610 UD	320 UD	2500 UD	620 UD	630 UD	1400 UD	1.2 U
Chloroethane	--		1200 UD	630 UD	5000 UD	1200 UD	1300 UD	2700 UD	2.4 U
Chloroform	49000		920 UD	470 UD	3700 UD	940 UD	950 UD	2000 UD	1.8 U
Chloromethane	--		3000 UD	1600 UD	12000 UD	3100 UD	3200 UD	6800 UD	5.9 U
cis-1,2-Dichloroethene	100000		610 UD	320 UD	2500 UD	620 UD	630 UD	1400 UD	1.2 U
cis-1,3-Dichloropropene	--		610 UD	320 UD	2500 UD	620 UD	630 UD	1400 UD	1.2 U
Dibromochloromethane	--		610 UD	320 UD	2500 UD	620 UD	630 UD	1400 UD	1.2 U
Dibromochloropropane	--		3000 UD	1600 UD	12000 UD	3100 UD	3200 UD	6800 UD	5.9 U
Dichlorodifluoromethane	--		6100 UD	3200 UD	25000 UD	6200 UD	6300 UD	14000 UD	12 U
Ethylbenzene	41000		610 UD	320 UD	2500 UD	620 UD	630 UD	1400 UD	1.2 U

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:		B-25	B-25	B-26	B-26	B-27	B-27	MW-1/1R
	Part 375	Sample Date:		1/14/2014	1/14/2014	1/14/2014	1/14/2014	1/14/2014	1/14/2014	12/16/2013
	Restricted	Sample Depth (ft bls):		0 - 2	2 - 4	0 - 2	4 - 6	0 - 2	4 - 6	0 - 2
	Residential									
Freon 113	--			12000 UD	6300 UD	50000 UD	12000 UD	13000 UD	27000 UD	24 U
Isopropylbenzene	--			7200 D	5600 D	8100 D	5600 D	1800 D	9500 D	1.2 U
m+p-Xylene	--			1200 UD	630 UD	5000 UD	1200 UD	1300 UD	2700 UD	1.2 J
Methylene chloride	100000			6100 UD	3200 UD	25000 UD	6200 UD	6300 UD	14000 UD	6 J
MTBE	100000			1200 UD	630 UD	5000 UD	1200 UD	1300 UD	2700 UD	2.4 U
o-Xylene	--			1200 UD	630 UD	5000 UD	1200 UD	1300 UD	2700 UD	2.4 U
Styrene	--			1200 UD	630 UD	5000 UD	1200 UD	1300 UD	2700 UD	2.4 U
Tetrachloroethene	19000			610 UD	320 UD	2500 UD	620 UD	630 UD	1400 UD	1.2 U
Toluene	100000			920 UD	470 UD	3700 UD	940 UD	950 UD	2000 UD	0.72 J
trans-1,2-Dichloroethene	100000			920 UD	470 UD	3700 UD	940 UD	950 UD	2000 UD	1.8 U
trans-1,3-Dichloropropene	--			610 UD	320 UD	2500 UD	620 UD	630 UD	1400 UD	1.2 U
Trichloroethene	21000			610 UD	320 UD	2500 UD	620 UD	630 UD	1400 UD	1.2 U
Trichlorofluoromethane	--			3000 UD	1600 UD	12000 UD	3100 UD	3200 UD	6800 UD	5.9 U
Vinyl chloride	900			1200 UD	630 UD	5000 UD	1200 UD	1300 UD	2700 UD	2.4 U
Xylenes (total)	100000			1200 UD	630 UD	5000 UD	1200 UD	1300 UD	2700 UD	1.2 J

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

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

linear range of the instrument

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: MW-1/1R MW-1/1R MW-1/1R MW-2/2R MW-2/2R DUP MW-2/2R MW-2/2R							
	Part 375	Sample Date: 12/16/2013 12/16/2013 12/16/2013 12/16/2013 12/16/2013 12/16/2013 12/16/2013 12/16/2013							
	Restricted Residential	Sample Depth (ft bls): 3 - 5 6 - 8 24 - 25 0 - 2 0 - 2 6 - 8 14 - 15							
1,1,1-Trichloroethane	100000	1.4 U	310 UD	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U	130 UD
1,1,2,2-Tetrachloroethane	--	1.4 U	310 UD	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U	130 UD
1,1,2-Trichloroethane	--	2.1 U	470 UD	1.9 U	1.6 U	1.6 U	1.7 U	200 UD	
1,1-Dichloroethane	26000	2.1 U	470 UD	1.9 U	1.6 U	1.6 U	1.7 U	200 UD	
1,1-Dichloroethene	100000	1.4 U	310 UD	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U	130 UD
1,2,3-Trichlorobenzene	--	7 U	1600 UD	6.4 U	5.5 U	5.5 U	5.7 U	660 UD	
1,2,4-Trichlorobenzene	--	7 U	1600 UD	6.4 U	5.5 U	5.5 U	5.7 U	660 UD	
1,2-Dibromoethane	--	5.6 U	1200 UD	5.1 U	4.4 U	4.4 U	4.6 U	520 UD	
1,2-Dichlorobenzene	100000	7 U	1600 UD	6.4 U	5.5 U	5.5 U	5.7 U	660 UD	
1,2-Dichloroethane	3100	1.4 U	310 UD	1.3 U	1.1 U	1.1 U	1.1 U	130 UD	
1,2-Dichloropropane	--	4.9 U	1100 UD	4.4 U	3.8 U	3.8 U	4 U	460 UD	
1,3-Dichlorobenzene	49000	7 U	1600 UD	6.4 U	5.5 U	5.5 U	5.7 U	660 UD	
1,4-Dichlorobenzene	13000	7 U	1600 UD	6.4 U	5.5 U	5.5 U	5.7 U	660 UD	
1,4-Dioxane	13000	140 U	31000 UD	130 U	110 U	110 U	110 U	13000 UD	
2-Butanone (MEK)	100000	14 U	3100 UD	13 U	7.9 J	13	9 J	1300 UD	
2-Hexanone	--	14 U	3100 UD	13 U	11 U	11 U	11 U	1300 UD	
4-Methyl-2-pentanone (MIBK)	--	14 U	3100 UD	13 U	11 U	11 U	11 U	1300 UD	
Acetone	100000	9.7 J	3100 UD	16	78	120	88	1300 UD	
Benzene	4800	1.4 U	310 UD	1.3 U	1.1 U	1.1 U	1.1 U	130 D	
Bromochloromethane	--	7 U	1600 UD	6.4 U	5.5 U	5.5 U	5.7 U	660 UD	
Bromodichloromethane	--	1.4 U	310 UD	1.3 U	1.1 U	1.1 U	1.1 U	130 UD	
Bromoform	--	5.6 U	1200 UD	5.1 U	4.4 U	4.4 U	4.6 U	520 UD	
Bromomethane	--	2.8 U	620 UD	2.5 U	2.2 U	2.2 U	2.3 U	260 UD	
Carbon disulfide	--	14 U	3100 UD	3.3 J	11 U	11 U	11 U	1300 UD	
Carbon tetrachloride	2400	1.4 U	310 UD	1.3 U	1.1 U	1.1 U	1.1 U	130 UD	
Chlorobenzene	100000	1.4 U	310 UD	1.3 U	1.1 U	1.1 U	1.1 U	130 UD	
Chloroethane	--	2.8 U	620 UD	2.5 U	2.2 U	2.2 U	2.3 U	260 UD	
Chloroform	49000	2.1 U	470 UD	1.9 U	1.6 U	1.6 U	1.7 U	200 UD	
Chloromethane	--	7 U	1600 UD	6.4 U	5.5 U	5.5 U	5.7 U	660 UD	
cis-1,2-Dichloroethene	100000	1.4 U	310 UD	1.3 U	1.1 U	1.1 U	1.1 U	130 UD	
cis-1,3-Dichloropropene	--	1.4 U	310 UD	1.3 U	1.1 U	1.1 U	1.1 U	130 UD	
Dibromochloromethane	--	1.4 U	310 UD	1.3 U	1.1 U	1.1 U	1.1 U	130 UD	
Dibromochloropropane	--	7 U	1600 UD	6.4 U	5.5 U	5.5 U	5.7 U	660 UD	
Dichlorodifluoromethane	--	14 U	3100 UD	13 U	11 U	11 U	11 U	1300 UD	
Ethylbenzene	41000	1.4 U	310 UD	1.3 U	1.1 U	1.1 U	1.1 U	1200 D	

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC								
	Part 375	Sample Designation:	MW-1/1R	MW-1/1R	MW-1/1R	MW-2/2R	MW-2/2R DUP	MW-2/2R	MW-2/2R
	Restricted	Sample Date:	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Residential	Sample Depth (ft bls):	3 - 5	6 - 8	24 - 25	0 - 2	0 - 2	6 - 8	14 - 15
Freon 113	--		28 U	6200 UD	25 U	22 U	22 U	23 U	2600 UD
Isopropylbenzene	--		1.4 U	3400 D	3.6	1.1 U	1.1 U	1.1 U	3500 D
m+p-Xylene	--		2.8 U	620 UD	1.2 J	2.2 U	1 J	2.3 U	2100 D
Methylene chloride	100000		4 J	3100 UD	5.8 J	5 J	5.1 J	5.1 J	1300 UD
MTBE	100000		2.8 U	620 UD	2.5 U	2.2 U	2.2 U	2.3 U	260 UD
o-Xylene	--		2.8 U	620 UD	1.5 J	2.2 U	2.2 U	2.3 U	260 UD
Styrene	--		2.8 U	620 UD	1.9 J	2.2 U	2.2 U	2.3 U	160 JD
Tetrachloroethene	19000		1.4 U	310 UD	1.3 U	1.1 U	1.1 U	1.1 U	130 UD
Toluene	100000		2.1 U	470 UD	1.9 U	1.6 U	1.6 U	1.7 U	100 JD
trans-1,2-Dichloroethene	100000		2.1 U	470 UD	1.9 U	1.6 U	1.6 U	1.7 U	200 UD
trans-1,3-Dichloropropene	--		1.4 U	310 UD	1.3 U	1.1 U	1.1 U	1.1 U	130 UD
Trichloroethene	21000		1.4 U	310 UD	1.3 U	1.1 U	1.1 U	1.1 U	130 UD
Trichlorofluoromethane	--		7 U	1600 UD	6.4 U	5.5 U	5.5 U	5.7 U	660 UD
Vinyl chloride	900		2.8 U	620 UD	2.5 U	2.2 U	2.2 U	2.3 U	260 UD
Xylenes (total)	100000		2.8 U	620 UD	2.7 J	2.2 U	1 J	2.3 U	2100 D

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

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

linear range of the instrument

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	MW-2/2R	MW-6/6R	MW-6/6R	MW-6/6R	MW-6/6R	MW-6/6R DUP	MW-7R
	Part 375		12/16/2013	12/30/2013	1/17/2014	1/17/2014	1/17/2014	1/17/2014	12/19/2013
	Restricted Residential		23 - 24	0 - 2	9 - 11	11 - 12	15 - 17	15 - 17	0 - 2
1,1,1-Trichloroethane	100000		1.2 U	1.1 U	110 UD	5900 UD	6000 UD	5800 UD	5700 UD
1,1,2,2-Tetrachloroethane	--		1.2 U	1.1 U	110 UD	5900 UD	6000 UD	5800 UD	5700 UD
1,1,2-Trichloroethane	--		1.7 U	1.6 U	160 UD	8800 UD	9000 UD	8700 UD	8500 UD
1,1-Dichloroethane	26000		1.7 U	1.6 U	160 UD	8800 UD	9000 UD	8700 UD	8500 UD
1,1-Dichloroethene	100000		1.2 U	1.1 U	110 UD	5900 UD	6000 UD	5800 UD	5700 UD
1,2,3-Trichlorobenzene	--		5.8 U	5.4 U	550 UD	29000 UD	30000 UD	29000 UD	28000 UD
1,2,4-Trichlorobenzene	--		5.8 U	5.4 U	550 UD	29000 UD	30000 UD	29000 UD	28000 UD
1,2-Dibromoethane	--		4.6 U	4.3 U	440 UD	24000 UD	24000 UD	23000 UD	23000 UD
1,2-Dichlorobenzene	100000		5.8 U	5.4 U	550 UD	29000 UD	30000 UD	29000 UD	28000 UD
1,2-Dichloroethane	3100		1.2 U	1.1 U	110 UD	5900 UD	6000 UD	5800 UD	5700 UD
1,2-Dichloropropane	--		4 U	3.8 U	390 UD	20000 UD	21000 UD	20000 UD	20000 UD
1,3-Dichlorobenzene	49000		5.8 U	5.4 U	550 UD	29000 UD	30000 UD	29000 UD	28000 UD
1,4-Dichlorobenzene	13000		5.8 U	5.4 U	550 UD	29000 UD	30000 UD	29000 UD	28000 UD
1,4-Dioxane	13000		120 U	110 U	11000 UD	590000 UD	600000 UD	580000 UD	570000 UD
2-Butanone (MEK)	100000		12 U	4.8 J	1100 UD	59000 UD	60000 UD	58000 UD	57000 UD
2-Hexanone	--		12 U	11 U	1100 UD	59000 UD	60000 UD	58000 UD	57000 UD
4-Methyl-2-pentanone (MIBK)	--		12 U	11 U	1100 UD	59000 UD	60000 UD	58000 UD	57000 UD
Acetone	100000		42	21	410 JD	59000 UD	60000 UD	58000 UD	57000 UD
Benzene	4800		1.2 U	1.1 U	110 UD	5900 UD	6000 UD	5800 UD	5700 UD
Bromochloromethane	--		5.8 U	5.4 U	550 UD	29000 UD	30000 UD	29000 UD	28000 UD
Bromodichloromethane	--		1.2 U	1.1 U	110 UD	5900 UD	6000 UD	5800 UD	5700 UD
Bromoform	--		4.6 U	4.3 U	440 UD	24000 UD	24000 UD	23000 UD	23000 UD
Bromomethane	--		2.3 U	2.2 U	220 UD	12000 UD	12000 UD	12000 UD	11000 UD
Carbon disulfide	--		12 U	11 U	1100 UD	59000 UD	60000 UD	58000 UD	57000 UD
Carbon tetrachloride	2400		1.2 U	1.1 U	110 UD	5900 UD	6000 UD	5800 UD	5700 UD
Chlorobenzene	100000		1.2 U	1.1 U	110 UD	5900 UD	6000 UD	5800 UD	5700 UD
Chloroethane	--		2.3 U	2.2 U	220 UD	12000 UD	12000 UD	12000 UD	11000 UD
Chloroform	49000		1.7 U	1.6 U	160 UD	8800 UD	9000 UD	8700 UD	8500 UD
Chloromethane	--		5.8 U	5.4 U	550 UD	29000 UD	30000 UD	29000 UD	28000 UD
cis-1,2-Dichloroethene	100000		1.2 U	1.1 U	110 UD	5900 UD	6000 UD	5800 UD	5700 UD
cis-1,3-Dichloropropene	--		1.2 U	1.1 U	110 UD	5900 UD	6000 UD	5800 UD	5700 UD
Dibromochloromethane	--		1.2 U	1.1 U	110 UD	5900 UD	6000 UD	5800 UD	5700 UD
Dibromochloropropane	--		5.8 U	5.4 U	550 UD	29000 UD	30000 UD	29000 UD	28000 UD
Dichlorodifluoromethane	--		12 U	11 U	1100 UD	59000 UD	60000 UD	58000 UD	57000 UD
Ethylbenzene	41000		1.2 U	1.1 U	1700 D	31000 D	21000 JVD	10000 JVD	5700 UD

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

	NYSDEC								
	Part 375	Sample Designation:	MW-2/2R	MW-6/6R	MW-6/6R	MW-6/6R	MW-6/6R	MW-6/6R DUP	MW-7R
Parameter	Restricted	Sample Date:	12/16/2013	12/30/2013	1/17/2014	1/17/2014	1/17/2014	1/17/2014	12/19/2013
(Concentrations in µg/kg)	Residential	Sample Depth (ft bls):	23 - 24	0 - 2	9 - 11	11 - 12	15 - 17	15 - 17	0 - 2
Freon 113	--		23 U	22 U	2200 UD	120000 UD	120000 UD	120000 UD	110000 UD
Isopropylbenzene	--		1.2 U	1.1 U	5200 D	78000 D	57000 JVD	30000 JVD	5700 UD
m+p-Xylene	--		1 J	2.2 U	2900 D	60000 D	38000 JVD	18000 JVD	11000 UD
Methylene chloride	100000		5.4 J	11 U	1100 UD	59000 UD	60000 UD	58000 UD	57000 UD
MTBE	100000		2.3 U	2.2 U	220 UD	12000 UD	12000 UD	12000 UD	11000 UD
o-Xylene	--		2.3 U	2.2 U	220 UD	12000 UD	12000 UD	12000 UD	11000 UD
Styrene	--		1.4 J	2.2 U	220 UD	12000 UD	12000 UD	12000 UD	11000 UD
Tetrachloroethene	19000		1.2 U	1.1 U	110 UD	5900 UD	6000 UD	5800 UD	5700 UD
Toluene	100000		1.7 U	1.6 U	160 UD	8800 UD	9000 UD	8700 UD	8500 UD
trans-1,2-Dichloroethene	100000		1.7 U	1.6 U	160 UD	8800 UD	9000 UD	8700 UD	8500 UD
trans-1,3-Dichloropropene	--		1.2 U	1.1 U	110 UD	5900 UD	6000 UD	5800 UD	5700 UD
Trichloroethene	21000		1.2 U	1.1 U	110 UD	5900 UD	6000 UD	5800 UD	5700 UD
Trichlorofluoromethane	--		5.8 U	5.4 U	550 UD	29000 UD	30000 UD	29000 UD	28000 UD
Vinyl chloride	900		2.3 U	2.2 U	220 UD	12000 UD	12000 UD	12000 UD	11000 UD
Xylenes (total)	100000		1 J	2.2 U	2900 D	60000 D	38000 JVD	18000 JVD	11000 UD

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

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

linear range of the instrument

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:	MW-7R	MW-14	MW-14 DUP	MW-14	MW-14	MW-15	MW-15	MW-15
	Part 375	Sample Date:	1/14/2014	12/19/2013	12/19/2013	1/17/2014	1/17/2014	1/20/2014	1/20/2014	1/20/2014
	Restricted Residential	Sample Depth (ft bls):	2 - 4	0 - 2	0 - 2	7 - 9	10 - 12	0 - 2	6 - 8	10 - 12
1,1,1-Trichloroethane	100000		670 UD	1.1 U	1.1 U	1.2 U	2.9 UD	1.2 U	1.3 U	1.2 U
1,1,2,2-Tetrachloroethane	--		670 UD	1.1 U	1.1 U	1.2 U	2.9 UD	1.2 U	1.3 U	1.2 U
1,1,2-Trichloroethane	--		1000 UD	1.6 U	1.7 U	1.8 U	4.4 UD	1.8 U	1.9 U	1.8 U
1,1-Dichloroethane	26000		1000 UD	1.6 U	1.7 U	1.8 U	4.4 UD	1.8 U	1.9 U	1.8 U
1,1-Dichloroethene	100000		670 UD	1.1 U	1.1 U	1.2 U	2.9 UD	1.2 U	1.3 U	1.2 U
1,2,3-Trichlorobenzene	--		3300 UD	5.4 U	5.7 U	6 U	14 UD	5.9 U	6.5 U	6.1 U
1,2,4-Trichlorobenzene	--		3300 UD	5.4 U	5.7 U	6 U	14 UD	5.9 U	6.5 U	6.1 U
1,2-Dibromoethane	--		2700 UD	4.3 U	4.6 U	4.8 U	12 UD	4.7 U	5.2 U	4.9 U
1,2-Dichlorobenzene	100000		3300 UD	5.4 U	5.7 U	6 U	14 UD	5.9 U	6.5 U	6.1 U
1,2-Dichloroethane	3100		670 UD	1.1 U	1.1 U	1.2 U	2.9 UD	1.2 U	1.3 U	1.2 U
1,2-Dichloropropane	--		2300 UD	3.8 U	4 U	4.2 U	10 UD	4.1 U	4.5 U	4.3 U
1,3-Dichlorobenzene	49000		3300 UD	5.4 U	5.7 U	6 U	14 UD	5.9 U	6.5 U	6.1 U
1,4-Dichlorobenzene	13000		3300 UD	5.4 U	5.7 U	6 U	14 UD	5.9 U	6.5 U	6.1 U
1,4-Dioxane	13000		67000 UD	110 U	110 U	120 U	290 UD	120 U	130 U	120 U
2-Butanone (MEK)	100000		6700 UD	11 U	11 U	12 U	8.1 JD	4.3 J	13 U	12 U
2-Hexanone	--		6700 UD	11 U	11 U	12 U	29 UD	12 U	13 U	12 U
4-Methyl-2-pentanone (MIBK)	--		6700 UD	11 U	11 U	12 U	29 UD	12 U	13 U	12 U
Acetone	100000		6700 UD	11 UJV	24 JV	4.8 J	23 JD	50	13 U	12
Benzene	4800		670 UD	1.1 U	1.1 U	0.81 J	2.9 UD	1.2 U	1.3 U	1.2 U
Bromochloromethane	--		3300 UD	5.4 U	5.7 U	6 U	14 UD	5.9 U	6.5 U	6.1 U
Bromodichloromethane	--		670 UD	1.1 U	1.1 U	1.2 U	2.9 UD	1.2 U	1.3 U	1.2 U
Bromoform	--		2700 UD	4.3 U	4.6 U	4.8 U	12 UD	4.7 U	5.2 U	4.9 U
Bromomethane	--		1300 UD	2.2 U	2.3 U	2.4 U	5.8 UD	2.4 U	2.6 U	2.4 U
Carbon disulfide	--		6700 UD	11 U	11 U	12 U	29 UD	12 U	13 U	12 U
Carbon tetrachloride	2400		670 UD	1.1 U	1.1 U	1.2 U	2.9 UD	1.2 U	1.3 U	1.2 U
Chlorobenzene	100000		670 UD	1.1 U	1.1 U	1.2 U	2.9 UD	1.2 U	1.3 U	1.2 U
Chloroethane	--		1300 UD	2.2 U	2.3 U	2.4 U	5.8 UD	2.4 U	2.6 U	2.4 U
Chloroform	49000		1000 UD	1.6 U	1.7 U	1.8 U	4.4 UD	1.8 U	1.9 U	1.8 U
Chloromethane	--		3300 UD	5.4 U	5.7 U	6 U	14 UD	5.9 U	6.5 U	6.1 U
cis-1,2-Dichloroethene	100000		670 UD	1.1 U	1.1 U	1.2 U	2.9 UD	1.2 U	1.3 U	1.2 U
cis-1,3-Dichloropropene	--		670 UD	1.1 U	1.1 U	1.2 U	2.9 UD	1.2 U	1.3 U	1.2 U
Dibromochloromethane	--		670 UD	1.1 U	1.1 U	1.2 U	2.9 UD	1.2 U	1.3 U	1.2 U
Dibromochloropropane	--		3300 UD	5.4 U	5.7 U	6 U	14 UD	5.9 U	6.5 U	6.1 U
Dichlorodifluoromethane	--		6700 UD	11 U	11 U	12 U	29 UD	12 U	13 U	12 U
Ethylbenzene	41000		670 UD	1.1 U	1.1 U	1.2 U	2.9 UD	1.2 U	1.3 U	1.2 U

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	MW-7R	MW-14	MW-14 DUP	MW-14	MW-14	MW-15	MW-15	MW-15
	Restricted	Sample Date:	1/14/2014	12/19/2013	12/19/2013	1/17/2014	1/17/2014	1/20/2014	1/20/2014	1/20/2014
	Residential	Sample Depth (ft bls):	2 - 4	0 - 2	0 - 2	7 - 9	10 - 12	0 - 2	6 - 8	10 - 12
Freon 113	--		13000 UD	22 U	23 U	24 U	58 UD	24 U	26 U	24 U
Isopropylbenzene	--		1400 D	1.1 U	1.1 U	0.76 J	2.9 UD	1.2 U	1.3 U	1.2 U
m+p-Xylene	--		1300 UD	2.2 U	2.3 U	1 J	5.8 UD	1.2 J	2.6 U	2.4 U
Methylene chloride	100000		6700 UD	11 U	11 U	12 U	29 UD	12 U	13 U	12 U
MTBE	100000		1300 UD	2.2 U	2.3 U	2.4 U	5.8 UD	2.4 U	2.6 U	2.4 U
o-Xylene	--		1300 UD	2.2 U	2.3 U	2.4 U	5.8 UD	2.4 U	2.6 U	2.4 U
Styrene	--		1300 UD	2.2 U	2.3 U	2.4 U	5.8 UD	2.4 U	2.6 U	2.4 U
Tetrachloroethene	19000		670 UD	1.1 U	1.1 U	1.2 U	2.9 UD	1.2 U	1.3 U	1.2 U
Toluene	100000		1000 UD	1.6 U	1.7 U	1.8 U	4.4 UD	1.8 U	1.9 U	1.8 U
trans-1,2-Dichloroethene	100000		1000 UD	1.6 U	1.7 U	1.8 U	4.4 UD	1.8 U	1.9 U	1.8 U
trans-1,3-Dichloropropene	--		670 UD	1.1 U	1.1 U	1.2 U	2.9 UD	1.2 U	1.3 U	1.2 U
Trichloroethene	21000		670 UD	1.1 U	1.1 U	1.2 U	2.9 UD	1.2 U	1.3 U	1.2 U
Trichlorofluoromethane	--		3300 UD	5.4 U	5.7 U	6 U	14 UD	5.9 U	6.5 U	6.1 U
Vinyl chloride	900		1300 UD	2.2 U	2.3 U	2.4 U	5.8 UD	2.4 U	2.6 U	2.4 U
Xylenes (total)	100000		1300 UD	2.2 U	2.3 U	1 J	5.8 UD	1.2 J	2.6 U	2.4 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

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

linear range of the instrument

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17	MW-17	MW-17	MW-18
	Part 375	Sample Date:	1/7/2014	1/7/2014	1/7/2014	1/7/2014	1/2/2014	1/2/2014	1/2/2014	1/2/2014	1/6/2014
	Restricted	Sample Depth (ft bls):	0 - 2	5 - 7	10 - 12	25 - 26.5	0 - 2	5 - 7	12 - 13	23 - 24	0 - 2
	Residential										
1,1,1-Trichloroethane	100000		1.2 U	6200 UD	130 UD	1.2 U	1.2 U	1.2 U	6.8 UD	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	--		1.2 U	6200 UD	130 UD	1.2 U	1.2 U	1.2 U	6.8 UD	1.1 U	1.1 U
1,1,2-Trichloroethane	--		1.8 U	9300 UD	190 UD	1.8 U	1.8 U	1.8 U	10 UD	1.7 U	1.7 U
1,1-Dichloroethane	26000		1.8 U	9300 UD	190 UD	1.8 U	1.8 U	1.8 U	10 UD	1.7 U	1.7 U
1,1-Dichloroethene	100000		1.2 U	6200 UD	130 UD	1.2 U	1.2 U	1.2 U	6.8 UD	1.1 U	1.1 U
1,2,3-Trichlorobenzene	--		5.8 U	31000 UD	640 UD	5.9 U	5.8 U	6.1 U	34 UD	5.7 U	5.6 U
1,2,4-Trichlorobenzene	--		5.8 U	31000 UD	640 UD	5.9 U	5.8 U	6.1 U	34 UD	5.7 U	5.6 U
1,2-Dibromoethane	--		4.7 U	25000 UD	510 UD	4.7 U	4.7 U	4.9 U	27 UD	4.6 U	4.5 U
1,2-Dichlorobenzene	100000		5.8 U	31000 UD	640 UD	5.9 U	5.8 U	6.1 U	34 UD	5.7 U	5.6 U
1,2-Dichloroethane	3100		1.2 U	6200 UD	130 UD	1.2 U	1.2 U	1.2 U	6.8 UD	1.1 U	1.1 U
1,2-Dichloropropane	--		4.1 U	22000 UD	450 UD	4.1 U	4.1 U	4.3 U	24 UD	4 U	4 U
1,3-Dichlorobenzene	49000		5.8 U	31000 UD	640 UD	5.9 U	5.8 U	6.1 U	34 UD	5.7 U	5.6 U
1,4-Dichlorobenzene	13000		5.8 U	31000 UD	640 UD	5.9 U	5.8 U	6.1 U	34 UD	5.7 U	5.6 U
1,4-Dioxane	13000		120 U	620000 UD	13000 UD	120 U	120 U	120 U	680 UD	110 U	110 U
2-Butanone (MEK)	100000		12 U	62000 UD	1300 UD	12 U	12 U	12 U	68 UD	4.9 J	11 U
2-Hexanone	--		12 U	62000 UD	1300 UD	12 U	12 U	12 U	68 UD	11 U	11 U
4-Methyl-2-pentanone (MIBK)	--		12 U	62000 UD	1300 UD	12 U	12 U	12 U	68 UD	11 U	11 U
Acetone	100000		15	62000 UD	1300 UD	12 U	12 U	4.5 J	94 D	32	11 U
Benzene	4800		1.2 U	6200 UD	130 UD	1.2 U	1.2 U	1.2 U	6.8 UD	1.1 U	1.1 U
Bromochloromethane	--		5.8 U	31000 UD	640 UD	5.9 U	5.8 U	6.1 U	34 UD	5.7 U	5.6 U
Bromodichloromethane	--		1.2 U	6200 UD	130 UD	1.2 U	1.2 U	1.2 U	6.8 UD	1.1 U	1.1 U
Bromoform	--		4.7 U	25000 UD	510 UD	4.7 U	4.7 U	4.9 U	27 UD	4.6 U	4.5 U
Bromomethane	--		2.3 U	12000 UD	260 UD	2.3 U	2.3 U	2.4 U	14 UD	2.3 U	2.2 U
Carbon disulfide	--		12 U	62000 UD	1300 UD	12 U	12 U	12 U	68 UD	11 U	11 U
Carbon tetrachloride	2400		1.2 U	6200 UD	130 UD	1.2 U	1.2 U	1.2 U	6.8 UD	1.1 U	1.1 U
Chlorobenzene	100000		1.2 U	6200 UD	130 UD	1.2 U	1.2 U	1.2 U	6.8 UD	1.1 U	1.1 U
Chloroethane	--		2.3 U	12000 UD	260 UD	2.3 U	2.3 U	2.4 U	14 UD	2.3 U	2.2 U
Chloroform	49000		1.8 U	9300 UD	190 UD	1.8 U	1.8 U	1.8 U	10 UD	1.7 U	1.7 U
Chloromethane	--		5.8 U	31000 UD	640 UD	5.9 U	5.8 U	6.1 U	34 UD	5.7 U	5.6 U
cis-1,2-Dichloroethene	100000		1.2 U	6200 UD	130 UD	1.2 U	1.2 U	1.2 U	6.8 UD	1.1 U	1.1 U
cis-1,3-Dichloropropene	--		1.2 U	6200 UD	130 UD	1.2 U	1.2 U	1.2 U	6.8 UD	1.1 U	1.1 U
Dibromochloromethane	--		1.2 U	6200 UD	130 UD	1.2 U	1.2 U	1.2 U	6.8 UD	1.1 U	1.1 U
Dibromochloropropane	--		5.8 U	31000 UD	640 UD	5.9 U	5.8 U	6.1 U	34 UD	5.7 U	5.6 U
Dichlorodifluoromethane	--		12 U	62000 UD	1300 UD	12 U	12 U	12 U	68 UD	11 U	11 U
Ethylbenzene	41000		1.2 U	6200 UD	130 UD	1.2 U	1.2 U	1.2 U	6.8 UD	1.1 U	1.1 U

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC										
	Part 375	Sample Designation:	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17	MW-17	MW-17	MW-18
	Restricted	Sample Date:	1/7/2014	1/7/2014	1/7/2014	1/7/2014	1/2/2014	1/2/2014	1/2/2014	1/2/2014	1/6/2014
	Residential	Sample Depth (ft bls):	0 - 2	5 - 7	10 - 12	25 - 26.5	0 - 2	5 - 7	12 - 13	23 - 24	0 - 2
Freon 113	--		23 U	120000 UD	2600 UD	23 U	23 U	24 U	140 UD	23 U	22 U
Isopropylbenzene	--		1.2 U	6200 UD	1300 D	1.2 U	1.2 U	1.2 U	200 D	13	1.1 U
m+p-Xylene	--		2.3 U	12000 UD	260 UD	2.3 U	2.3 U	2.4 U	14 UD	2.3 U	2.2 U
Methylene chloride	100000		12 U	62000 UD	1300 UD	12 U	12 U	12 U	68 UD	11 U	11 U
MTBE	100000		2.3 U	12000 UD	260 UD	2.3 U	2.3 U	2.4 U	14 UD	2.3 U	2.2 U
o-Xylene	--		2.3 U	12000 UD	260 UD	2.3 U	2.3 U	2.4 U	14 UD	2.3 U	2.2 U
Styrene	--		2.3 U	12000 UD	260 UD	2.3 U	2.3 U	2.4 U	14 UD	2.3 U	2.2 U
Tetrachloroethene	19000		1.2 U	6200 UD	130 UD	1.2 U	1.2 U	1.2 U	6.8 UD	1.1 U	1.5
Toluene	100000		1.8 U	9300 UD	190 UD	1.8 U	1.8 U	1.8 U	10 UD	1.7 U	1.7 U
trans-1,2-Dichloroethene	100000		1.8 U	9300 UD	190 UD	1.8 U	1.8 U	1.8 U	10 UD	1.7 U	1.7 U
trans-1,3-Dichloropropene	--		1.2 U	6200 UD	130 UD	1.2 U	1.2 U	1.2 U	6.8 UD	1.1 U	1.1 U
Trichloroethene	21000		1.2 U	6200 UD	130 UD	1.2 U	1.2 U	1.2 U	6.8 UD	1.1 U	1.1 U
Trichlorofluoromethane	--		5.8 U	31000 UD	640 UD	5.9 U	5.8 U	6.1 U	34 UD	5.7 U	5.6 U
Vinyl chloride	900		2.3 U	12000 UD	260 UD	2.3 U	2.3 U	2.4 U	14 UD	2.3 U	2.2 U
Xylenes (total)	100000		2.3 U	12000 UD	260 UD	2.3 U	2.3 U	2.4 U	14 UD	2.3 U	2.2 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

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

linear range of the instrument

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	MW-18 1/6/2014 8 - 10	MW-18 1/6/2014 12 - 14	MW-18 1/6/2014 20 - 22	MW-19 1/14/2014 0 - 2	MW-19 1/14/2014 4 - 6	MW-20 12/19/2013 0 - 2	MW-20 1/15/2014 7 - 9	MW-20 1/15/2014 12 - 14
	Part 375									
	Restricted									
	Residential									
1,1,1-Trichloroethane	100000		1.2 U	1.4 U	1.1 U	120 UD	1600 UD	1.1 U	1.1 U	1200 UD
1,1,2,2-Tetrachloroethane	--		1.2 U	1.4 U	1.1 U	120 UD	1600 UD	1.1 U	1.1 U	1200 UD
1,1,2-Trichloroethane	--		1.8 U	2.2 U	1.7 U	180 UD	2400 UD	1.7 U	1.7 U	1800 UD
1,1-Dichloroethane	26000		1.8 U	2.2 U	1.7 U	180 UD	2400 UD	1.7 U	1.7 U	1800 UD
1,1-Dichloroethene	100000		1.2 U	1.4 U	1.1 U	120 UD	1600 UD	1.1 U	1.1 U	1200 UD
1,2,3-Trichlorobenzene	--		6.2 U	7.2 U	5.7 U	600 UD	8200 UD	5.7 U	5.7 U	5900 UD
1,2,4-Trichlorobenzene	--		6.2 U	7.2 U	5.7 U	600 UD	8200 UD	5.7 U	5.7 U	5900 UD
1,2-Dibromoethane	--		5 U	5.7 U	4.6 U	480 UD	6500 UD	4.6 U	4.6 U	4800 UD
1,2-Dichlorobenzene	100000		6.2 U	7.2 U	5.7 U	600 UD	8200 UD	5.7 U	5.7 U	5900 UD
1,2-Dichloroethane	3100		1.2 U	1.4 U	1.1 U	120 UD	1600 UD	1.1 U	1.1 U	1200 UD
1,2-Dichloropropane	--		4.3 U	5 U	4 U	420 UD	5700 UD	4 U	4 U	4200 UD
1,3-Dichlorobenzene	49000		6.2 U	7.2 U	5.7 U	600 UD	8200 UD	5.7 U	5.7 U	5900 UD
1,4-Dichlorobenzene	13000		6.2 U	7.2 U	5.7 U	600 UD	8200 UD	5.7 U	5.7 U	5900 UD
1,4-Dioxane	13000		120 U	140 U	110 U	12000 UD	160000 UD	110 U	110 U	120000 UD
2-Butanone (MEK)	100000		3.7 J	14 U	11 U	1200 UD	16000 UD	11 U	11 U	12000 UD
2-Hexanone	--		12 U	14 U	11 U	1200 UD	16000 UD	11 U	11 U	12000 UD
4-Methyl-2-pentanone (MIBK)	--		12 U	14 U	11 U	1200 UD	16000 UD	11 U	11 U	12000 UD
Acetone	100000		22	12 J	11 U	1200 UD	16000 UD	9.7 J	11 U	12000 UD
Benzene	4800		1.2 U	1.4 U	1.1 U	120 UD	1600 UD	1.1 U	1.1 U	1200 UD
Bromochloromethane	--		6.2 U	7.2 U	5.7 U	600 UD	8200 UD	5.7 U	5.7 U	5900 UD
Bromodichloromethane	--		1.2 U	1.4 U	1.1 U	120 UD	1600 UD	1.1 U	1.1 U	1200 UD
Bromoform	--		5 U	5.7 U	4.6 U	480 UD	6500 UD	4.6 U	4.6 U	4800 UD
Bromomethane	--		2.5 U	2.9 U	2.3 U	240 UD	3300 UD	2.3 U	2.3 U	2400 UD
Carbon disulfide	--		12 U	14 U	11 U	1200 UD	16000 UD	11 U	11 U	12000 UD
Carbon tetrachloride	2400		1.2 U	1.4 U	1.1 U	120 UD	1600 UD	1.1 U	1.1 U	1200 UD
Chlorobenzene	100000		1.2 U	1.4 U	1.1 U	120 UD	1600 UD	1.1 U	1.1 U	1200 UD
Chloroethane	--		2.5 U	2.9 U	2.3 U	240 UD	3300 UD	2.3 U	2.3 U	2400 UD
Chloroform	49000		1.8 U	2.2 U	1.7 U	180 UD	2400 UD	1.7 U	1.7 U	1800 UD
Chloromethane	--		6.2 U	7.2 U	5.7 U	600 UD	8200 UD	5.7 U	5.7 U	5900 UD
cis-1,2-Dichloroethene	100000		1.2 U	1.4 U	1.1 U	120 UD	1600 UD	1.1 U	1.1 U	1200 UD
cis-1,3-Dichloropropene	--		1.2 U	1.4 U	1.1 U	120 UD	1600 UD	1.1 U	1.1 U	1200 UD
Dibromochloromethane	--		1.2 U	1.4 U	1.1 U	120 UD	1600 UD	1.1 U	1.1 U	1200 UD
Dibromochloropropane	--		6.2 U	7.2 U	5.7 U	600 UD	8200 UD	5.7 U	5.7 U	5900 UD
Dichlorodifluoromethane	--		12 U	14 U	11 U	1200 UD	16000 UD	11 U	11 U	12000 UD
Ethylbenzene	41000		1.2 U	1.4 U	1.1 U	120 UD	3300 D	1.1 U	1.1 U	1200 UD

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	MW-18	MW-18	MW-18	MW-19	MW-19	MW-20	MW-20	MW-20
	Restricted	Sample Date:	1/6/2014	1/6/2014	1/6/2014	1/14/2014	1/14/2014	12/19/2013	1/15/2014	1/15/2014
	Residential	Sample Depth (ft bls):	8 - 10	12 - 14	20 - 22	0 - 2	4 - 6	0 - 2	7 - 9	12 - 14
Freon 113	--		25 U	29 U	23 U	2400 UD	33000 UD	23 U	23 U	24000 UD
Isopropylbenzene	--		1.2 U	1.4 U	1.1 U	310 D	17000 D	1.1 U	1.1 U	4100 D
m+p-Xylene	--		2.5 U	2.9 U	2.3 U	240 UD	3300 UD	2.3 U	2.3 U	2400 UD
Methylene chloride	100000		12 U	14 U	11 U	1200 UD	16000 UD	2.4 J	11 U	12000 UD
MTBE	100000		2.5 U	2.9 U	2.3 U	240 UD	3300 UD	2.3 U	2.3 U	2400 UD
o-Xylene	--		2.5 U	2.9 U	2.3 U	240 UD	3300 UD	2.3 U	2.3 U	2400 UD
Styrene	--		2.5 U	2.9 U	2.3 U	240 UD	3300 UD	2.3 U	2.3 U	2400 UD
Tetrachloroethene	19000		1.2 U	1.4 U	1.1 U	120 UD	1600 UD	1.1 U	1.1 U	1200 UD
Toluene	100000		1.8 U	2.2 U	1.7 U	180 UD	2400 UD	1.7 U	1.7 U	1800 UD
trans-1,2-Dichloroethene	100000		1.8 U	2.2 U	1.7 U	180 UD	2400 UD	1.7 U	1.7 U	1800 UD
trans-1,3-Dichloropropene	--		1.2 U	1.4 U	1.1 U	120 UD	1600 UD	1.1 U	1.1 U	1200 UD
Trichloroethene	21000		1.2 U	1.4 U	1.1 U	120 UD	1600 UD	1.1 U	1.1 U	1200 UD
Trichlorofluoromethane	--		6.2 U	7.2 U	5.7 U	600 UD	8200 UD	5.7 U	5.7 U	5900 UD
Vinyl chloride	900		2.5 U	2.9 U	2.3 U	240 UD	3300 UD	2.3 U	2.3 U	2400 UD
Xylenes (total)	100000		2.5 U	2.9 U	2.3 U	240 UD	3300 UD	2.3 U	2.3 U	2400 UD

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

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

linear range of the instrument

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York
D R A F T

	NYSDEC									
	Part 375	Sample Designation:	MW-20 DUP	MW-20	MW-21	MW-21	MW-21	MW-21	MW-22	MW-22
Parameter	Restricted	Sample Date:	1/15/2014	1/15/2014	1/6/2014	1/6/2014	1/6/2014	1/6/2014	12/19/2013	1/16/2014
(Concentrations in µg/kg)	Residential	Sample Depth (ft bls):	12 - 14	18 - 19	0 - 2	5 - 7	7 - 8	18 - 20	0 - 2	7 - 9
1,1,1-Trichloroethane	100000		1200 UD	1100 UD	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
1,1,2,2-Tetrachloroethane	--		1200 UD	1100 UD	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
1,1,2-Trichloroethane	--		1800 UD	1700 UD	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U
1,1-Dichloroethane	26000		1800 UD	1700 UD	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U
1,1-Dichloroethene	100000		1200 UD	1100 UD	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
1,2,3-Trichlorobenzene	--		6000 UD	5700 UD	5.6 U	5.6 U	6.2 U	5.6 U	5.5 U	5.8 U
1,2,4-Trichlorobenzene	--		6000 UD	5700 UD	5.6 U	5.6 U	6.2 U	5.6 U	5.5 U	5.8 U
1,2-Dibromoethane	--		4800 UD	4600 UD	4.5 U	4.5 U	4.9 U	4.5 U	4.4 U	4.6 U
1,2-Dichlorobenzene	100000		6000 UD	5700 UD	5.6 U	5.6 U	6.2 U	5.6 U	5.5 U	5.8 U
1,2-Dichloroethane	3100		1200 UD	1100 UD	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
1,2-Dichloropropane	--		4200 UD	4000 UD	3.9 U	4 U	4.3 U	3.9 U	3.9 U	4 U
1,3-Dichlorobenzene	49000		6000 UD	5700 UD	5.6 U	5.6 U	6.2 U	5.6 U	5.5 U	5.8 U
1,4-Dichlorobenzene	13000		6000 UD	5700 UD	5.6 U	5.6 U	6.2 U	5.6 U	5.5 U	5.8 U
1,4-Dioxane	13000		120000 UD	110000 UD	110 U	110 U	120 U	110 U	110 U	120 U
2-Butanone (MEK)	100000		2100 JD	1700 JD	11 U	2.7 J	12 U	11 U	11 U	12 U
2-Hexanone	--		12000 UD	11000 UD	11 U	11 U	12 U	11 U	11 U	12 U
4-Methyl-2-pentanone (MIBK)	--		12000 UD	11000 UD	11 U	11 U	12 U	11 U	11 U	12 U
Acetone	100000		4500 JD	4600 JD	11 U	42	12 U	14	11 U	4.6 J
Benzene	4800		1200 UD	1100 UD	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
Bromochloromethane	--		6000 UD	5700 UD	5.6 U	5.6 U	6.2 U	5.6 U	5.5 U	5.8 U
Bromodichloromethane	--		1200 UD	1100 UD	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
Bromoform	--		4800 UD	4600 UD	4.5 U	4.5 U	4.9 U	4.5 U	4.4 U	4.6 U
Bromomethane	--		2400 UD	2300 UD	2.2 U	2.3 U	2.5 U	2.2 U	2.2 U	2.3 U
Carbon disulfide	--		12000 UD	11000 UD	11 U	11 U	12 U	11 U	11 U	12 U
Carbon tetrachloride	2400		1200 UD	1100 UD	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
Chlorobenzene	100000		1200 UD	1100 UD	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
Chloroethane	--		2400 UD	2300 UD	2.2 U	2.3 U	2.5 U	2.2 U	2.2 U	2.3 U
Chloroform	49000		1800 UD	1700 UD	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U
Chloromethane	--		6000 UD	5700 UD	5.6 U	5.6 U	6.2 U	5.6 U	5.5 U	5.8 U
cis-1,2-Dichloroethene	100000		1200 UD	1100 UD	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
cis-1,3-Dichloropropene	--		1200 UD	1100 UD	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
Dibromochloromethane	--		1200 UD	1100 UD	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
Dibromochloropropane	--		6000 UD	5700 UD	5.6 U	5.6 U	6.2 U	5.6 U	5.5 U	5.8 U
Dichlorodifluoromethane	--		12000 UD	11000 UD	11 U	11 U	12 U	11 U	11 U	12 U
Ethylbenzene	41000		1200 UD	1100 UD	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Restricted Residential	Sample Designation: Sample Date: Sample Depth (ft bls):	MW-20 DUP 1/15/2014 12 - 14	MW-20 1/15/2014 18 - 19	MW-21 1/6/2014 0 - 2	MW-21 1/6/2014 5 - 7	MW-21 1/6/2014 7 - 8	MW-21 1/6/2014 18 - 20	MW-22 12/19/2013 0 - 2	MW-22 1/16/2014 7 - 9
Freon 113	--		24000 UD	23000 UD	22 U	23 U	25 U	22 U	22 U	23 U
Isopropylbenzene	--		5500 D	3700 D	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
m+p-Xylene	--		2400 UD	2300 UD	2.2 U	2.3 U	2.5 U	2.2 U	2.2 U	2.3 U
Methylene chloride	100000		12000 UD	11000 UD	11 U	11 U	12 U	11 U	11 U	12 U
MTBE	100000		2400 UD	2300 UD	2.2 U	2.3 U	2.5 U	2.2 U	2.2 U	2.3 U
o-Xylene	--		2400 UD	2300 UD	2.2 U	2.3 U	2.5 U	2.2 U	2.2 U	2.3 U
Styrene	--		2400 UD	2300 UD	2.2 U	2.3 U	2.5 U	2.2 U	2.2 U	2.3 U
Tetrachloroethene	19000		1200 UD	1100 UD	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
Toluene	100000		1800 UD	1700 UD	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U
trans-1,2-Dichloroethene	100000		1800 UD	1700 UD	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U
trans-1,3-Dichloropropene	--		1200 UD	1100 UD	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
Trichloroethene	21000		1200 UD	1100 UD	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
Trichlorofluoromethane	--		6000 UD	5700 UD	5.6 U	5.6 U	6.2 U	5.6 U	5.5 U	5.8 U
Vinyl chloride	900		2400 UD	2300 UD	2.2 U	2.3 U	2.5 U	2.2 U	2.2 U	2.3 U
Xylenes (total)	100000		2400 UD	2300 UD	2.2 U	2.3 U	2.5 U	2.2 U	2.2 U	2.3 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	MW-22	MW-22	MW-23	MW-23	MW-23	MW-23
	Part 375		1/16/2014	1/16/2014	12/31/2013	12/31/2013	12/31/2013	12/31/2013
	Restricted Residential		12 - 14	18 - 20	0 - 2	5 - 7	10 - 12	18 - 19
1,1,1-Trichloroethane	100000		3.2 UD	120 UD	1.2 U	5.8 UD	6200 UD	1.1 U
1,1,2,2-Tetrachloroethane	--		3.2 UD	120 UD	1.2 U	5.8 UD	6200 UD	1.1 U
1,1,2-Trichloroethane	--		4.9 UD	180 UD	1.8 U	8.7 UD	9400 UD	1.6 U
1,1-Dichloroethane	26000		4.9 UD	180 UD	1.8 U	8.7 UD	9400 UD	1.6 U
1,1-Dichloroethene	100000		3.2 UD	120 UD	1.2 U	5.8 UD	6200 UD	1.1 U
1,2,3-Trichlorobenzene	--		16 UD	620 UD	6 U	29 UD	31000 UD	5.5 U
1,2,4-Trichlorobenzene	--		16 UD	620 UD	6 U	29 UD	31000 UD	5.5 U
1,2-Dibromoethane	--		13 UD	490 UD	4.8 U	23 UD	25000 UD	4.4 U
1,2-Dichlorobenzene	100000		16 UD	620 UD	6 U	29 UD	31000 UD	5.5 U
1,2-Dichloroethane	3100		3.2 UD	120 UD	1.2 U	5.8 UD	6200 UD	1.1 U
1,2-Dichloropropane	--		11 UD	430 UD	4.2 U	20 UD	22000 UD	3.8 U
1,3-Dichlorobenzene	49000		16 UD	620 UD	6 U	29 UD	31000 UD	5.5 U
1,4-Dichlorobenzene	13000		16 UD	620 UD	6 U	29 UD	31000 UD	5.5 U
1,4-Dioxane	13000		320 UD	12000 UD	120 U	580 UD	620000 UD	110 U
2-Butanone (MEK)	100000		32 UD	1200 UD	12 U	32 UD	62000 UD	11 U
2-Hexanone	--		32 UD	1200 UD	12 U	58 UD	62000 UD	11 U
4-Methyl-2-pentanone (MIBK)	--		32 UD	1200 UD	12 U	58 UD	62000 UD	11 U
Acetone	100000		14 JD	1200 UD	19	110 D	62000 UD	30
Benzene	4800		3.2 UD	120 UD	1.2 U	5.8 UD	6200 UD	1.1 U
Bromochloromethane	--		16 UD	620 UD	6 U	29 UD	31000 UD	5.5 U
Bromodichloromethane	--		3.2 UD	120 UD	1.2 U	5.8 UD	6200 UD	1.1 U
Bromoform	--		13 UD	490 UD	4.8 U	23 UD	25000 UD	4.4 U
Bromomethane	--		6.5 UD	250 UD	2.4 U	12 UD	12000 UD	2.2 U
Carbon disulfide	--		32 UD	1200 UD	12 U	58 UD	62000 UD	11 U
Carbon tetrachloride	2400		3.2 UD	120 UD	1.2 U	5.8 UD	6200 UD	1.1 U
Chlorobenzene	100000		3.2 UD	120 UD	1.2 U	5.8 UD	6200 UD	1.1 U
Chloroethane	--		6.5 UD	250 UD	2.4 U	12 UD	12000 UD	2.2 U
Chloroform	49000		4.9 UD	180 UD	1.8 U	8.7 UD	9400 UD	1.6 U
Chloromethane	--		16 UD	620 UD	6 U	29 UD	31000 UD	5.5 U
cis-1,2-Dichloroethene	100000		3.2 UD	120 UD	1.2 U	5.8 UD	6200 UD	1.1 U
cis-1,3-Dichloropropene	--		3.2 UD	120 UD	1.2 U	5.8 UD	6200 UD	1.1 U
Dibromochloromethane	--		3.2 UD	120 UD	1.2 U	5.8 UD	6200 UD	1.1 U
Dibromochloropropane	--		16 UD	620 UD	6 U	29 UD	31000 UD	5.5 U
Dichlorodifluoromethane	--		32 UD	1200 UD	12 U	58 UD	62000 UD	11 U
Ethylbenzene	41000		3.2 UD	120 UD	1.2 U	5.8 UD	9400 D	1.1 U

Table 3. Summary of Volatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC							
	Part 375	Sample Designation:	MW-22	MW-22	MW-23	MW-23	MW-23	MW-23
	Restricted	Sample Date:	1/16/2014	1/16/2014	12/31/2013	12/31/2013	12/31/2013	12/31/2013
	Residential	Sample Depth (ft bls):	12 - 14	18 - 20	0 - 2	5 - 7	10 - 12	18 - 19
Freon 113	--		65 UD	2500 UD	24 U	120 UD	120000 UD	22 U
Isopropylbenzene	--		100 D	320 D	1.2 U	68 D	14000 D	1.1 U
m+p-Xylene	--		6.5 UD	250 UD	2.4 U	12 UD	8800 JD	2.2 U
Methylene chloride	100000		32 UD	1200 UD	12 U	58 UD	62000 UD	11 U
MTBE	100000		6.5 UD	250 UD	2.4 U	12 UD	12000 UD	2.2 U
o-Xylene	--		6.5 UD	250 UD	2.4 U	12 UD	12000 UD	2.2 U
Styrene	--		6.5 UD	250 UD	2.4 U	12 UD	12000 UD	2.2 U
Tetrachloroethene	19000		3.2 UD	120 UD	1.2 U	5.8 UD	6200 UD	1.1 U
Toluene	100000		4.9 UD	180 UD	1.8 U	8.7 UD	9400 UD	1.6 U
trans-1,2-Dichloroethene	100000		4.9 UD	180 UD	1.8 U	8.7 UD	9400 UD	1.6 U
trans-1,3-Dichloropropene	--		3.2 UD	120 UD	1.2 U	5.8 UD	6200 UD	1.1 U
Trichloroethene	21000		3.2 UD	120 UD	1.2 U	5.8 UD	6200 UD	1.1 U
Trichlorofluoromethane	--		16 UD	620 UD	6 U	29 UD	31000 UD	5.5 U
Vinyl chloride	900		6.5 UD	250 UD	2.4 U	12 UD	12000 UD	2.2 U
Xylenes (total)	100000		6.5 UD	250 UD	2.4 U	12 UD	8800 JD	2.2 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

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

linear range of the instrument

V - Value altered or qualifier added during data validation

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Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:								
	Part 375	Sample Date:								
	Restricted Residential	Sample Depth (ft bls):	0 - 2	3 - 5	10 - 12	15 - 16	0 - 2	7 - 9	12 - 14	16 - 18
1,1'-Biphenyl	--	84 J	2500 UD	9400 UD	410 U	430 U	4300 UD	9000 UD	17000 UD	
1,2,4,5-Tetrachlorobenzene	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
2,2'-oxybis (1-chloropropane)	--	240 U	1300 UD	4900 UD	220 U	230 U	2200 UD	4700 UD	9100 UD	
2,4,5-Trichlorophenol	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
2,4,6-Trichlorophenol	--	120 U	670 UD	2500 UD	110 U	110 U	1100 UD	2400 UD	4600 UD	
2,4-Dichlorophenol	--	180 U	1000 UD	3700 UD	160 U	170 U	1700 UD	3500 UD	6800 UD	
2,4-Dimethylphenol	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
2,4-Dinitrophenol	--	970 U	5300 UD	20000 UD	870 U	910 U	9000 UD	19000 UD	36000 UD	
2,4-Dinitrotoluene	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
2,6-Dinitrotoluene	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
2-Chloronaphthalene	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
2-Chlorophenol	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
2-Methylnaphthalene	--	380	620 JD	1300 JD	220 U	230 U	2200 UD	8900 D	13000 D	
2-Methylphenol	100000	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
2-Nitroaniline	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
2-Nitrophenol	--	440 U	2400 UD	8900 UD	390 U	410 U	4000 UD	8500 UD	16000 UD	
3&4-Methylphenol	100000	290 U	1600 UD	5900 UD	260 U	270 U	2700 UD	5600 UD	11000 UD	
3,3'-Dichlorobenzidine	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
3-Nitroaniline	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
4,6-Dinitro-2-methylphenol	--	530 U	2900 UD	11000 UD	470 U	490 U	4900 UD	10000 UD	20000 UD	
4-Bromophenyl phenyl ether	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
4-Chloro-3-methylphenol	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
4-Chloroaniline	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
4-Chlorophenyl phenyl ether	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
4-Nitroaniline	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
4-Nitrophenol	--	280 U	1600 UD	5800 UD	250 U	260 U	2600 UD	5500 UD	11000 UD	
Acenaphthene	100000	160 U	1600 D	3300 UD	140 U	150 U	1500 UD	3100 UD	6100 UD	
Acenaphthylene	100000	160 U	1800 D	3300 UD	140 U	88 J	1500 UD	3100 UD	6100 UD	
Acetophenone	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
Anthracene	100000	53 J	8600 D	2500 UD	110 U	99 J	1100 UD	2400 UD	4600 UD	
Benzo[a]anthracene	1000	410	18000 D	2500 UD	110 U	380	800 JD	2400 UD	4600 UD	

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:								
	Part 375	Sample Date:								
	Restricted Residential	Sample Depth (ft bls):								
		B-5	B-5	B-5	B-5	B-6	B-6	B-6	B-6	
		12/31/2013	12/31/2013	12/31/2013	12/31/2013	12/31/2013	1/17/2014	1/17/2014	1/17/2014	
		0 - 2	3 - 5	10 - 12	15 - 16	0 - 2	7 - 9	12 - 14	16 - 18	
Benzo[a]pyrene	1000	430	14000 D	3300 UD	140 U	320	1200 JD	3100 UD	6100 UD	
Benzo[b]fluoranthene	1000	920	17000 D	2500 UD	110 U	410	1600 D	2400 UD	4600 UD	
Benzo[g,h,i]perylene	100000	390	5800 D	3300 UD	140 U	200	1000 JD	3100 UD	6100 UD	
Benzo[k]fluoranthene	3900	250	7500 D	2500 UD	110 U	150	570 JD	2400 UD	4600 UD	
Benzoic Acid	--	660 U	3600 UD	13000 UD	590 U	610 U	6100 UD	13000 UD	24000 UD	
Benzyl Alcohol	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
Bis(2-chloroethoxy)methane	--	220 U	1200 UD	4400 UD	200 U	200 U	2000 UD	4200 UD	8200 UD	
Bis(2-chloroethyl) ether	--	180 U	1000 UD	3700 UD	160 U	170 U	1700 UD	3500 UD	6800 UD	
Bis(2-ethylhexyl) phthalate	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
Butylbenzyl phthalate	--	200 U	1100 UD	4100 UD	180 U	150 J	1900 UD	3900 UD	7600 UD	
Carbazole	--	200 U	820 JD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
Chrysene	3900	1000	18000 D	2500 UD	110 U	390	930 JD	2400 UD	4600 UD	
Dibenzo[a,h]anthracene	330	140	2100 D	2500 UD	110 U	58 J	1100 UD	2400 UD	4600 UD	
Dibenzofuran	59000	200 U	1300 D	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
Diethyl phthalate	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
Dimethyl phthalate	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
Di-n-butyl phthalate	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
Di-n-octyl phthalate	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
Fluoranthene	100000	480	38000 D	2500 UD	110 U	560	770 JD	2400 UD	4600 UD	
Fluorene	100000	200 U	2000 D	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
Hexachlorobenzene	1200	120 U	670 UD	2500 UD	110 U	110 U	1100 UD	2400 UD	4600 UD	
Hexachlorobutadiene	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
Hexachlorocyclopentadiene	--	580 U	3200 UD	12000 UD	520 U	540 U	5400 UD	11000 UD	22000 UD	
Hexachloroethane	--	160 U	890 UD	3300 UD	140 U	150 U	1500 UD	3100 UD	6100 UD	
Indeno[1,2,3-cd]pyrene	500	360	6900 D	3300 UD	140 U	190	1200 JD	3100 UD	6100 UD	
Isophorone	--	180 U	1000 UD	3700 UD	160 U	170 U	1700 UD	3500 UD	6800 UD	
Naphthalene	100000	250	1100 D	7400 D	180 U	190 U	2300 D	39000 D	52000 D	
Nitrobenzene	--	180 U	1000 UD	3700 UD	160 U	170 U	1700 UD	3500 UD	6800 UD	
n-Nitrosodi-n-propylamine	--	200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD	
n-Nitrosodiphenylamine	--	160 U	890 UD	3300 UD	140 U	150 U	1500 UD	3100 UD	6100 UD	
Pentachlorophenol	6700	160 U	890 UD	3300 UD	140 U	150 U	1500 UD	3100 UD	6100 UD	

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	B-5	B-5	B-5	B-5	B-6	B-6	B-6	B-6
	Restricted	Sample Date:	12/31/2013	12/31/2013	12/31/2013	12/31/2013	12/31/2013	1/17/2014	1/17/2014	1/17/2014
	Residential	Sample Depth (ft bls):	0 - 2	3 - 5	10 - 12	15 - 16	0 - 2	7 - 9	12 - 14	16 - 18
Phenanthrene	100000		630	26000 D	2500 UD	110 U	260	590 JD	920 JD	1900 JD
Phenol	100000		200 U	1100 UD	4100 UD	180 U	190 U	1900 UD	3900 UD	7600 UD
Pyrene	100000		460	33000 D	2500 UD	110 U	560	750 JD	2400 UD	4600 UD

J - Estimated value

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µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

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Restricted Residential Standards

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of the calibration range in the original sample.

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linear range of the instrument

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Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:								
	Part 375	Sample Date:								
	Restricted Residential	Sample Depth (ft bls):	B-7 12/30/2013 0 - 2	B-7 12/30/2013 5 - 7	B-7 12/30/2013 14 - 15	B-8 12/30/2013 0 - 2	B-8 12/30/2013 5 - 7	B-8 12/30/2013 9 - 11	B-9 12/16/2013 0 - 2	B-9 12/16/2013 5 - 7
1,1'-Biphenyl	--		880 UD	2300 UD	8500 UD	430 U	440 U	9400 UD	830 UD	420 U
1,2,4,5-Tetrachlorobenzene	--		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 U	180 U
2,2'-oxybis (1-chloropropane)	--		470 UD	1200 UD	4500 UD	220 U	230 U	4900 UD	440 U	220 U
2,4,5-Trichlorophenol	--		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 U	180 U
2,4,6-Trichlorophenol	--		230 UD	610 UD	2200 UD	110 U	120 U	2500 UD	220 U	110 U
2,4-Dichlorophenol	--		350 UD	920 UD	3400 UD	170 U	170 U	3700 UD	160 U	170 U
2,4-Dimethylphenol	--		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 U	180 U
2,4-Dinitrophenol	--		1900 UD	4900 UD	18000 UD	900 U	920 U	20000 UD	1800 UD	890 U
2,4-Dinitrotoluene	--		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 UD	180 U
2,6-Dinitrotoluene	--		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 U	180 U
2-Chloronaphthalene	--		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 UD	180 U
2-Chlorophenol	--		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	180 UJVD	180 U
2-Methylnaphthalene	--		470 UD	1200 UD	4500 UD	220 U	230 U	4900 UD	440 UD	130 J
2-Methylphenol	100000		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 U	180 U
2-Nitroaniline	--		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 U	180 U
2-Nitrophenol	--		840 UD	2200 UD	8000 UD	400 U	420 U	8900 UD	790 U	400 U
3&4-Methylphenol	100000		560 UD	1500 UD	5400 UD	270 U	280 U	5900 UD	530 U	270 U
3,3'-Dichlorobenzidine	--		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	180 UD	180 U
3-Nitroaniline	--		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 U	180 U
4,6-Dinitro-2-methylphenol	--		1000 UD	2600 UD	9700 UD	490 U	500 U	11000 UD	950 U	480 U
4-Bromophenyl phenyl ether	--		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	180 U	180 U
4-Chloro-3-methylphenol	--		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 U	180 U
4-Chloroaniline	--		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	180 U	180 U
4-Chlorophenyl phenyl ether	--		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 UD	180 U
4-Nitroaniline	--		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 U	180 U
4-Nitrophenol	--		540 UD	1400 UD	5200 UD	260 U	270 U	5800 UD	510 UD	260 U
Acenaphthene	100000		300 JD	1300 D	3000 UD	260	200	2400 JD	180 JD	480
Acenaphthylene	100000		770 D	560 JD	3000 UD	280	130 J	3300 UD	360	420
Acetophenone	--		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 U	180 U
Anthracene	100000		1500 D	3600 D	2200 UD	900	610	1400 JD	480	1200
Benzo[a]anthracene	1000		4600 D	7900 D	2200 UD	2500	1600	2400 JD	1600 D	3000

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:								
	Part 375	Sample Date:								
	Restricted Residential	Sample Depth (ft bls):								
		B-7	B-7	B-7	B-8	B-8	B-8	B-9	B-9	
		12/30/2013	12/30/2013	12/30/2013	12/30/2013	12/30/2013	12/30/2013	12/16/2013	12/16/2013	
		0 - 2	5 - 7	14 - 15	0 - 2	5 - 7	9 - 11	0 - 2	5 - 7	
Benzo[a]pyrene	1000	4300 D	7300 D	3000 UD	2500	1600	2300 JD	2300 D	2900	
Benzo[b]fluoranthene	1000	5400 D	9300 D	2200 UD	3200	2100	2900 D	2600	3800	
Benzo[g,h,i]perylene	100000	2600 D	4400 D	3000 UD	1600	1000	1600 JD	1200	1900	
Benzo[k]fluoranthene	3900	2200 D	4000 D	2200 UD	1200	770	1200 JD	630 D	1400	
Benzoic Acid	--	1200 UD	3300 UD	12000 UD	610 U	620 U	13000 UD	1200 U	600 U	
Benzyl Alcohol	--	390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 U	180 U	
Bis(2-chloroethoxy)methane	--	420 UD	1100 UD	4000 UD	200 U	210 U	4400 UD	200 U	200 U	
Bis(2-chloroethyl) ether	--	350 UD	920 UD	3400 UD	170 U	170 U	3700 UD	330 U	170 U	
Bis(2-ethylhexyl) phthalate	--	390 UD	1000 UD	3700 UD	1400	190 U	4100 UD	360 U	180 U	
Butylbenzyl phthalate	--	390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	180 U	180 U	
Carbazole	--	580 D	1700 D	3700 UD	350	230	4100 UD	500 JD	720	
Chrysene	3900	4900 D	8400 D	2200 UD	2600	1700	2600 D	1500	3000	
Dibenzo[a,h]anthracene	330	680 D	1200 D	2200 UD	410	270	2500 UD	280	550	
Dibenzofuran	59000	200 JD	910 JD	3700 UD	200	130 J	4100 UD	360 UD	290	
Diethyl phthalate	--	390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 U	180 U	
Dimethyl phthalate	--	390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 UD	180 U	
Di-n-butyl phthalate	--	390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	180 U	180 U	
Di-n-octyl phthalate	--	390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 UD	180 U	
Fluoranthene	100000	10000 D	19000 D	2200 UD	4800	3400	7400 D	3000	6700	
Fluorene	100000	310 JD	1300 D	3700 UD	310	190	1300 JD	140	420	
Hexachlorobenzene	1200	230 UD	610 UD	2200 UD	110 U	120 U	2500 UD	110 U	110 U	
Hexachlorobutadiene	--	390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	180 UD	180 U	
Hexachlorocyclopentadiene	--	1100 UD	2900 UD	11000 UD	540 U	550 U	12000 UD	1000 UD	530 U	
Hexachloroethane	--	310 UD	820 UD	3000 UD	150 U	150 U	3300 UD	290 U	150 U	
Indeno[1,2,3-cd]pyrene	500	2500 D	4500 D	3000 UD	1600	1100	1600 JD	870 D	1600	
Isophorone	--	350 UD	920 UD	3400 UD	170 U	170 U	3700 UD	330 U	170 U	
Naphthalene	100000	160 JD	560 JD	3700 UD	120 J	70 J	4100 UD	220	320	
Nitrobenzene	--	350 UD	920 UD	3400 UD	170 U	170 U	3700 UD	330 U	170 U	
n-Nitrosodi-n-propylamine	--	390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	360 UD	180 U	
n-Nitrosodiphenylamine	--	310 UD	820 UD	3000 UD	150 U	150 U	3300 UD	290 UD	150 U	
Pentachlorophenol	6700	310 UD	820 UD	3000 UD	150 U	150 U	3300 UD	290 U	150 U	

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	B-7	B-7	B-7	B-8	B-8	B-8	B-9	B-9
	Restricted	Sample Date:	12/30/2013	12/30/2013	12/30/2013	12/30/2013	12/30/2013	12/30/2013	12/16/2013	12/16/2013
	Residential	Sample Depth (ft bls):	0 - 2	5 - 7	14 - 15	0 - 2	5 - 7	9 - 11	0 - 2	5 - 7
Phenanthrene	100000		5700 D	17000 D	2200 UD	3400	2200	5500 D	2000	5000
Phenol	100000		390 UD	1000 UD	3700 UD	190 U	190 U	4100 UD	180 U	180 U
Pyrene	100000		9400 D	16000 D	2200 UD	4400	2900	5900 D	2700 D	5900

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:								
	Part 375	Sample Date:								
	Restricted Residential	Sample Depth (ft bls):								
		B-9	B-9	B-10	B-10	B-10	B-10	B-11	B-11	
		12/16/2013	12/16/2013	12/20/2013	12/20/2013	12/20/2013	12/20/2013	1/2/2014	1/6/2014	
		7 - 9	19 - 20	0 - 2	5 - 7	10 - 12	17.5 - 18	0 - 2	8 - 10	
1,1'-Biphenyl	--	960 UD	420 U	880 UD	450 U	9800 UD	420 U	430 U	500 U	
1,2,4,5-Tetrachlorobenzene	--	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
2,2'-oxybis (1-chloropropane)	--	500 UD	220 U	460 UD	240 U	5200 UD	220 U	230 U	260 U	
2,4,5-Trichlorophenol	--	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
2,4,6-Trichlorophenol	--	250 UD	110 U	230 UD	120 U	2600 UD	110 U	110 U	130 U	
2,4-Dichlorophenol	--	380 UD	170 U	350 UD	180 U	3900 UD	160 U	170 U	200 U	
2,4-Dimethylphenol	--	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
2,4-Dinitrophenol	--	2000 UD	890 U	1800 UD	950 U	21000 UD	880 U	910 U	1000 U	
2,4-Dinitrotoluene	--	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
2,6-Dinitrotoluene	--	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
2-Chloronaphthalene	--	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
2-Chlorophenol	--	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
2-Methylnaphthalene	--	500 UD	220 U	460 UD	80 J	8000 D	220 U	230 U	74 J	
2-Methylphenol	100000	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
2-Nitroaniline	--	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
2-Nitrophenol	--	910 UD	400 U	830 UD	430 U	9300 UD	400 U	410 U	480 U	
3&4-Methylphenol	100000	600 UD	260 U	560 UD	280 U	6200 UD	260 U	270 U	320 U	
3,3'-Dichlorobenzidine	--	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
3-Nitroaniline	--	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
4,6-Dinitro-2-methylphenol	--	1100 UD	480 U	1000 UD	510 U	11000 UD	480 U	490 U	570 U	
4-Bromophenyl phenyl ether	--	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
4-Chloro-3-methylphenol	--	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
4-Chloroaniline	--	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
4-Chlorophenyl phenyl ether	--	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
4-Nitroaniline	--	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
4-Nitrophenol	--	590 UD	260 U	540 UD	280 U	6000 UD	260 U	260 U	310 U	
Acenaphthene	100000	740 D	150 U	300 JD	190	3400 UD	150 U	58 J	230	
Acenaphthylene	100000	320 JD	150 U	320 D	150 J	3400 UD	150 U	64 J	94 J	
Acetophenone	--	420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U	
Anthracene	100000	1700 D	110 U	1000 D	620	2600 UD	110 U	180	320	
Benzo[a]anthracene	1000	3600 D	110 U	3000 D	1600	2600 UD	110 U	880	990	

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

	NYSDEC									
	Part 375	Sample Designation:	B-9	B-9	B-10	B-10	B-10	B-10	B-11	B-11
Parameter	Restricted	Sample Date:	12/16/2013	12/16/2013	12/20/2013	12/20/2013	12/20/2013	12/20/2013	1/2/2014	1/6/2014
(Concentrations in µg/kg)	Residential	Sample Depth (ft bls):	7 - 9	19 - 20	0 - 2	5 - 7	10 - 12	17.5 - 18	0 - 2	8 - 10
Benzo[a]pyrene	1000		3700 D	150 U	2600 D	1300	3400 UD	150 U	980	950
Benzo[b]fluoranthene	1000		4400 D	110 U	3200 D	1600	2600 UD	110 U	1200	1100
Benzo[g,h,i]perylene	100000		2500 D	150 U	1600 D	850	3400 UD	150 U	740	600
Benzo[k]fluoranthene	3900		1700 D	110 U	1100 D	520	2600 UD	110 U	430	470
Benzoic Acid	--		1400 UD	600 U	1200 UD	640 U	14000 UD	600 U	610 U	710 U
Benzyl Alcohol	--		420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U
Bis(2-chloroethoxy)methane	--		450 UD	200 U	420 UD	210 U	4700 UD	200 U	200 U	240 U
Bis(2-chloroethyl) ether	--		380 UD	170 U	350 UD	180 U	3900 UD	160 U	170 U	200 U
Bis(2-ethylhexyl) phthalate	--		420 UD	75 J	380 UD	200 U	4300 UD	180 U	190 U	220 U
Butylbenzyl phthalate	--		420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U
Carbazole	--		410 JD	180 U	410 D	260	4300 UD	180 U	91 J	150 J
Chrysene	3900		3900 D	110 U	3200 D	1400	2600 UD	110 U	940	1200
Dibenzo[a,h]anthracene	330		420 D	110 U	400 D	230	2600 UD	110 U	110 U	110 J
Dibenzofuran	59000		480 D	180 U	200 JD	150 J	4300 UD	180 U	190 U	170 J
Diethyl phthalate	--		420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U
Dimethyl phthalate	--		420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U
Di-n-butyl phthalate	--		420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U
Di-n-octyl phthalate	--		420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U
Fluoranthene	100000		8900 D	110 U	6100 D	3000	1100 JD	110 U	1400	2200
Fluorene	100000		720 D	180 U	300 JD	190 J	4300 UD	180 U	190 U	170 J
Hexachlorobenzene	1200		250 UD	110 U	230 UD	120 U	2600 UD	110 U	110 U	130 U
Hexachlorobutadiene	--		420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U
Hexachlorocyclopentadiene	--		1200 UD	530 U	1100 UD	560 U	12000 UD	530 U	540 U	630 U
Hexachloroethane	--		340 UD	150 U	310 UD	160 U	3400 UD	150 U	150 U	180 U
Indeno[1,2,3-cd]pyrene	500		2600 D	150 U	1500 D	800	3400 UD	150 U	780	580
Isophorone	--		380 UD	170 U	350 UD	180 U	3900 UD	160 U	170 U	200 U
Naphthalene	100000		340 JD	100 J	210 JD	170 J	21000 D	180 U	190 U	140 J
Nitrobenzene	--		380 UD	170 U	350 UD	180 U	3900 UD	160 U	170 U	200 U
n-Nitrosodi-n-propylamine	--		420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U
n-Nitrosodiphenylamine	--		340 UD	150 U	310 UD	160 U	3400 UD	150 U	150 U	180 U
Pentachlorophenol	6700		340 UD	150 U	310 UD	160 U	3400 UD	150 U	150 U	180 U

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	B-9	B-9	B-10	B-10	B-10	B-10	B-11	B-11
	Restricted	Sample Date:	12/16/2013	12/16/2013	12/20/2013	12/20/2013	12/20/2013	12/20/2013	1/2/2014	1/6/2014
	Residential	Sample Depth (ft bls):	7 - 9	19 - 20	0 - 2	5 - 7	10 - 12	17.5 - 18	0 - 2	8 - 10
Phenanthrene	100000		4200 D	110 U	4300 D	2900	2000 JD	110 U	770	2100
Phenol	100000		420 UD	180 U	380 UD	200 U	4300 UD	180 U	190 U	220 U
Pyrene	100000		8000 D	110 U	5300 D	2800	920 JD	110 U	1300	1900

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:								
	Part 375	Sample Date:								
	Restricted	Sample Depth (ft bls):								
	Residential	B-11	B-11	B-12	B-12	B-12	B-12	B-13	B-13	
		1/6/2014	1/6/2014	12/19/2013	1/15/2014	1/15/2014	1/15/2014	12/19/2013	1/15/2014	
		11 - 13	15 - 17	0 - 2	7 - 9	12 - 14	21 - 22.5	0 - 2	7 - 9	
1,1'-Biphenyl	--	480 U	440 U	390 U	400 U	460 U	440 U	430 U	420 U	
1,2,4,5-Tetrachlorobenzene	--	210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U	
2,2'-oxybis (1-chloropropane)	--	250 U	230 U	200 U	210 U	240 U	230 U	230 U	220 U	
2,4,5-Trichlorophenol	--	210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U	
2,4,6-Trichlorophenol	--	130 U	120 U	100 U	100 U	120 U	120 U	110 U	110 U	
2,4-Dichlorophenol	--	190 U	170 U	150 U	160 U	180 U	170 U	170 U	170 U	
2,4-Dimethylphenol	--	210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U	
2,4-Dinitrophenol	--	1000 U	920 U	810 U	840 U	970 U	920 U	910 U	890 U	
2,4-Dinitrotoluene	--	210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U	
2,6-Dinitrotoluene	--	210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U	
2-Chloronaphthalene	--	210 U	190 U	170 U	180 U	200 U	190 U	79 J	190 U	
2-Chlorophenol	--	210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U	
2-Methylnaphthalene	--	250 U	230 U	200 U	210 U	240 U	230 U	64 J	220 U	
2-Methylphenol	100000	210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U	
2-Nitroaniline	--	210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U	
2-Nitrophenol	--	460 U	420 U	370 U	380 U	440 U	420 U	410 U	400 U	
3&4-Methylphenol	100000	300 U	280 U	240 U	250 U	290 U	280 U	270 U	270 U	
3,3'-Dichlorobenzidine	--	210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U	
3-Nitroaniline	--	210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U	
4,6-Dinitro-2-methylphenol	--	550 U	500 U	440 U	460 U	520 U	500 U	490 U	480 U	
4-Bromophenyl phenyl ether	--	210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U	
4-Chloro-3-methylphenol	--	210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U	
4-Chloroaniline	--	210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U	
4-Chlorophenyl phenyl ether	--	210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U	
4-Nitroaniline	--	210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U	
4-Nitrophenol	--	300 U	270 U	240 U	240 U	280 U	270 U	260 U	260 U	
Acenaphthene	100000	1300	150 U	140 U	68 J	81 J	150 U	130 J	150 U	
Acenaphthylene	100000	170 U	150 U	140 U	34 J	160 U	150 U	120 J	150 U	
Acetophenone	--	210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U	
Anthracene	100000	780	120 U	33 J	190	140	120 U	380	110 U	
Benzo[a]anthracene	1000	500	120 U	83 J	570	280	120 U	700	110 U	

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	B-11	B-11	B-12	B-12	B-12	B-12	B-13	B-13
	Restricted	Sample Date:	1/6/2014	1/6/2014	12/19/2013	1/15/2014	1/15/2014	1/15/2014	12/19/2013	1/15/2014
	Residential	Sample Depth (ft bls):	11 - 13	15 - 17	0 - 2	7 - 9	12 - 14	21 - 22.5	0 - 2	7 - 9
Benzo[a]pyrene	1000		330	150 U	71 J	500	230	150 U	600	150 U
Benzo[b]fluoranthene	1000		400	120 U	84 J	650	280	120 U	730	110 U
Benzo[g,h,i]perylene	100000		170	150 U	47 J	320	140 J	150 U	410	150 U
Benzo[k]fluoranthene	3900		150	120 U	40 J	230	120	120 U	280	110 U
Benzoic Acid	--		680 U	620 U	550 U	570 U	650 U	620 U	610 U	600 U
Benzyl Alcohol	--		210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U
Bis(2-chloroethoxy)methane	--		230 U	210 U	180 U	190 U	220 U	210 U	200 U	200 U
Bis(2-chloroethyl) ether	--		190 U	170 U	150 U	160 U	180 U	170 U	170 U	170 U
Bis(2-ethylhexyl) phthalate	--		210 U	190 U	170 U	95 J	200 U	190 U	190 U	190 U
Butylbenzyl phthalate	--		210 U	190 U	170 U	83 J	200 U	190 U	190 U	190 U
Carbazole	--		210 U	190 U	170 U	80 J	76 J	190 U	140 J	190 U
Chrysene	3900		500	120 U	80 J	640	320	120 U	750	110 U
Dibenzo[a,h]anthracene	330		130 U	120 U	100 U	82 J	41 J	120 U	92 J	110 U
Dibenzofuran	59000		1000	190 U	170 U	180 U	200 U	190 U	140 J	190 U
Diethyl phthalate	--		210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U
Dimethyl phthalate	--		210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U
Di-n-butyl phthalate	--		210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U
Di-n-octyl phthalate	--		210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U
Fluoranthene	100000		1500	120 U	180	1100	650	120 U	1700	110 U
Fluorene	100000		2200	190 U	170 U	67 J	78 J	190 U	160 J	190 U
Hexachlorobenzene	1200		130 U	120 U	100 U	100 U	120 U	120 U	110 U	110 U
Hexachlorobutadiene	--		210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U
Hexachlorocyclopentadiene	--		610 U	550 U	490 U	500 U	580 U	550 U	540 U	530 U
Hexachloroethane	--		170 U	150 U	140 U	140 U	160 U	150 U	150 U	150 U
Indeno[1,2,3-cd]pyrene	500		150 J	150 U	44 J	330	140 J	150 U	360	150 U
Isophorone	--		190 U	170 U	150 U	160 U	180 U	170 U	170 U	170 U
Naphthalene	100000		210 U	190 U	170 U	180 U	69 J	190 U	230	190 U
Nitrobenzene	--		190 U	170 U	150 U	160 U	180 U	170 U	170 U	170 U
n-Nitrosodi-n-propylamine	--		210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U
n-Nitrosodiphenylamine	--		170 U	150 U	140 U	140 U	160 U	150 U	150 U	150 U
Pentachlorophenol	6700		170 U	150 U	140 U	140 U	160 U	150 U	150 U	150 U

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	B-11	B-11	B-12	B-12	B-12	B-12	B-13	B-13
	Restricted	Sample Date:	1/6/2014	1/6/2014	12/19/2013	1/15/2014	1/15/2014	1/15/2014	12/19/2013	1/15/2014
	Residential	Sample Depth (ft bls):	11 - 13	15 - 17	0 - 2	7 - 9	12 - 14	21 - 22.5	0 - 2	7 - 9
Phenanthrene	100000		5800	120 U	180	870	740	120 U	1700	110 U
Phenol	100000		210 U	190 U	170 U	180 U	200 U	190 U	190 U	190 U
Pyrene	100000		1400	120 U	150	1000	600	120 U	1400	110 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:	B-13	B-13	B-14	B-14	B-14	B-14	B-15	B-15
	Part 375	Sample Date:	1/15/2014	1/15/2014	12/19/2013	1/15/2014	1/15/2014	1/15/2014	12/31/2013	1/10/2014
	Restricted Residential	Sample Depth (ft bls):	10 - 12	16 - 18	0 - 2	7 - 9	10 - 12	17 - 18.5	0 - 2	5 - 7
1,1'-Biphenyl	--		480 U	8600 UD	420 U	430 U	470 U	430 U	4400 UD	440 U
1,2,4,5-Tetrachlorobenzene	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
2,2'-oxybis (1-chloropropane)	--		250 U	4500 UD	220 U	230 U	250 U	230 U	2300 UD	230 U
2,4,5-Trichlorophenol	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
2,4,6-Trichlorophenol	--		130 U	2300 UD	110 U	110 U	120 U	110 U	1200 UD	120 U
2,4-Dichlorophenol	--		190 U	3400 UD	160 U	170 U	190 U	170 U	1800 UD	170 U
2,4-Dimethylphenol	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
2,4-Dinitrophenol	--		1000 U	18000 UD	880 U	910 U	1000 U	900 U	9400 UD	920 U
2,4-Dinitrotoluene	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
2,6-Dinitrotoluene	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
2-Chloronaphthalene	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
2-Chlorophenol	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
2-Methylnaphthalene	--		250 U	4500 UD	160 J	230 U	250 U	230 U	2300 UD	230 U
2-Methylphenol	100000		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
2-Nitroaniline	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
2-Nitrophenol	--		450 U	8200 UD	390 U	410 U	450 U	410 U	4200 UD	420 U
3&4-Methylphenol	100000		300 U	5400 UD	260 U	270 U	300 U	270 U	2800 UD	280 U
3,3'-Dichlorobenzidine	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
3-Nitroaniline	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
4,6-Dinitro-2-methylphenol	--		550 U	9800 UD	470 U	500 U	540 U	490 U	5100 UD	500 U
4-Bromophenyl phenyl ether	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
4-Chloro-3-methylphenol	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
4-Chloroaniline	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
4-Chlorophenyl phenyl ether	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
4-Nitroaniline	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
4-Nitrophenol	--		290 U	5300 UD	260 U	270 U	290 U	260 U	2700 UD	270 U
Acenaphthene	100000		170 U	3000 UD	300	120 J	160 U	150 U	2000 D	150 U
Acenaphthylene	100000		170 U	3000 UD	230	150 U	160 U	150 U	6400 D	150 U
Acetophenone	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
Anthracene	100000		130 U	2300 UD	780	610	120 U	110 U	11000 D	120 U
Benzo[a]anthracene	1000		130 U	2300 UD	2200	1900	120 U	110 U	34000 D	310

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	B-13	B-13	B-14	B-14	B-14	B-14	B-15	B-15
	Restricted Residential	Sample Date:	1/15/2014	1/15/2014	12/19/2013	1/15/2014	1/15/2014	1/15/2014	12/31/2013	1/10/2014
		Sample Depth (ft bls):	10 - 12	16 - 18	0 - 2	7 - 9	10 - 12	17 - 18.5	0 - 2	5 - 7
Benzo[a]pyrene	1000		170 U	3000 UD	2100	1800	160 U	150 U	35000 D	410
Benzo[b]fluoranthene	1000		130 U	2300 UD	2400	2200	120 U	110 U	44000 D	530
Benzo[g,h,i]perylene	100000		170 U	3000 UD	1500	1200	160 U	150 U	21000 D	340
Benzo[k]fluoranthene	3900		130 U	2300 UD	910	830	120 U	110 U	17000 D	190
Benzoic Acid	--		680 U	12000 UD	590 U	620 U	670 U	610 U	6300 UD	620 U
Benzyl Alcohol	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
Bis(2-chloroethoxy)methane	--		230 U	4100 UD	200 U	200 U	220 U	200 U	2100 UD	210 U
Bis(2-chloroethyl) ether	--		190 U	3400 UD	160 U	170 U	190 U	170 U	1800 UD	170 U
Bis(2-ethylhexyl) phthalate	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
Butylbenzyl phthalate	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
Carbazole	--		210 U	3800 UD	290	140 J	210 U	190 U	2700 D	190 U
Chrysene	3900		130 U	2300 UD	2300	1900	120 U	110 U	36000 D	360
Dibenzo[a,h]anthracene	330		130 U	2300 UD	370	240	120 U	110 U	5300 D	72 J
Dibenzofuran	59000		210 U	3800 UD	240	94 J	210 U	190 U	1300 JD	190 U
Diethyl phthalate	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
Dimethyl phthalate	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
Di-n-butyl phthalate	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
Di-n-octyl phthalate	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
Fluoranthene	100000		130 U	2300 UD	4600	3800	120 U	110 U	72000 D	240
Fluorene	100000		210 U	3800 UD	260	120 J	210 U	190 U	1600 JD	190 U
Hexachlorobenzene	1200		130 U	2300 UD	110 U	110 U	120 U	110 U	1200 UD	120 U
Hexachlorobutadiene	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
Hexachlorocyclopentadiene	--		600 U	11000 UD	520 U	550 U	590 U	540 U	5600 UD	550 U
Hexachloroethane	--		170 U	3000 UD	150 U	150 U	160 U	150 U	1600 UD	150 U
Indeno[1,2,3-cd]pyrene	500		170 U	3000 UD	1300	1200	160 U	150 U	22000 D	310
Isophorone	--		190 U	3400 UD	160 U	170 U	190 U	170 U	1800 UD	170 U
Naphthalene	100000		210 U	3800 UD	330	66 J	210 U	190 U	1200 JD	190 U
Nitrobenzene	--		190 U	3400 UD	160 U	170 U	190 U	170 U	1800 UD	170 U
n-Nitrosodi-n-propylamine	--		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
n-Nitrosodiphenylamine	--		170 U	3000 UD	150 U	150 U	160 U	150 U	1600 UD	150 U
Pentachlorophenol	6700		170 U	3000 UD	150 U	150 U	160 U	150 U	1600 UD	150 U

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	B-13	B-13	B-14	B-14	B-14	B-14	B-15	B-15
	Restricted	Sample Date:	1/15/2014	1/15/2014	12/19/2013	1/15/2014	1/15/2014	1/15/2014	12/31/2013	1/10/2014
	Residential	Sample Depth (ft bls):	10 - 12	16 - 18	0 - 2	7 - 9	10 - 12	17 - 18.5	0 - 2	5 - 7
Phenanthrene	100000		130 U	2300 UD	3900	2500	120 U	110 U	35000 D	54 J
Phenol	100000		210 U	3800 UD	180 U	190 U	210 U	190 U	2000 UD	190 U
Pyrene	100000		130 U	2300 UD	4300	3600	120 U	110 U	73000 D	280

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:	B-15	B-15	B-16	B-16	B-16	B-16	B-17	B-17
	Part 375	Sample Date:	1/10/2014	1/10/2014	12/19/2013	1/16/2014	1/16/2014	1/16/2014	1/20/2014	1/20/2014
	Restricted Residential	Sample Depth (ft bls):	7 - 9	10 - 11	0 - 2	7 - 9	10 - 12	18 - 20	0 - 2	7 - 9
1,1'-Biphenyl	--		470 U	480 U	390 U	420 U	450 U	440 U	820 UD	440 U
1,2,4,5-Tetrachlorobenzene	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
2,2'-oxybis (1-chloropropane)	--		240 U	250 U	200 U	220 U	240 U	230 U	430 UD	230 U
2,4,5-Trichlorophenol	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
2,4,6-Trichlorophenol	--		120 U	130 U	100 U	110 U	120 U	120 U	220 UD	110 U
2,4-Dichlorophenol	--		180 U	190 U	150 U	170 U	180 U	170 U	320 UD	170 U
2,4-Dimethylphenol	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
2,4-Dinitrophenol	--		980 U	1000 U	810 U	890 U	950 U	930 U	1700 UD	920 U
2,4-Dinitrotoluene	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
2,6-Dinitrotoluene	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
2-Chloronaphthalene	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
2-Chlorophenol	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
2-Methylnaphthalene	--		240 U	250 U	200 U	220 U	240 U	230 U	430 UD	230 U
2-Methylphenol	100000		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
2-Nitroaniline	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
2-Nitrophenol	--		440 U	450 U	370 U	400 U	430 U	420 U	780 UD	410 U
3&4-Methylphenol	100000		290 U	300 U	240 U	270 U	290 U	280 U	520 UD	280 U
3,3'-Dichlorobenzidine	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
3-Nitroaniline	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
4,6-Dinitro-2-methylphenol	--		530 U	550 U	440 U	480 U	520 U	500 U	940 UD	500 U
4-Bromophenyl phenyl ether	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
4-Chloro-3-methylphenol	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
4-Chloroaniline	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
4-Chlorophenyl phenyl ether	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
4-Nitroaniline	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
4-Nitrophenol	--		290 U	290 U	240 U	260 U	280 U	270 U	510 UD	270 U
Acenaphthene	100000		73 J	100 J	140 U	150 U	160 U	150 U	80 JD	150 U
Acenaphthylene	100000		81 J	42 J	140 U	150 U	160 U	150 U	1100 D	150 U
Acetophenone	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
Anthracene	100000		850	150	100 U	110 U	120 U	120 U	1700 D	110 U
Benzo[a]anthracene	1000		5300	270	100	89 J	120 U	120 U	5600 D	66 J

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	B-15	B-15	B-16	B-16	B-16	B-16	B-17	B-17
	Part 375		1/10/2014	1/10/2014	12/19/2013	1/16/2014	1/16/2014	1/16/2014	1/20/2014	1/20/2014
	Restricted Residential		7 - 9	10 - 11	0 - 2	7 - 9	10 - 12	18 - 20	0 - 2	7 - 9
Benzo[a]pyrene	1000		5000	340	110 J	85 J	160 U	150 U	4900 D	65 J
Benzo[b]fluoranthene	1000		6200	470	140	110	120 U	120 U	7200 D	90 J
Benzo[g,h,i]perylene	100000		3200	250	97 J	63 J	160 U	150 U	2600 D	46 J
Benzo[k]fluoranthene	3900		2200	170	51 J	44 J	120 U	120 U	2800 D	40 J
Benzoic Acid	--		660 U	680 U	550 U	600 U	640 U	630 U	1200 UD	620 U
Benzyl Alcohol	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
Bis(2-chloroethoxy)methane	--		220 U	230 U	180 U	200 U	210 U	210 U	390 UD	210 U
Bis(2-chloroethyl) ether	--		180 U	190 U	150 U	170 U	180 U	170 U	320 UD	170 U
Bis(2-ethylhexyl) phthalate	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
Butylbenzyl phthalate	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
Carbazole	--		56 J	210 U	170 U	180 U	200 U	190 U	170 JD	190 U
Chrysene	3900		5700	310	130	100 J	120 U	120 U	4900 D	69 J
Dibenzo[a,h]anthracene	330		760	67 J	100 U	72 J	120 U	120 U	840 D	110 U
Dibenzofuran	59000		200 U	79 J	170 U	180 U	200 U	190 U	360 UD	190 U
Diethyl phthalate	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
Dimethyl phthalate	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
Di-n-butyl phthalate	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
Di-n-octyl phthalate	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
Fluoranthene	100000		7500	510	180	180	120 U	120 U	13000 D	110
Fluorene	100000		100 J	120 J	170 U	180 U	200 U	190 U	140 JD	190 U
Hexachlorobenzene	1200		120 U	130 U	100 U	110 U	120 U	120 U	220 UD	110 U
Hexachlorobutadiene	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
Hexachlorocyclopentadiene	--		590 U	600 U	490 U	530 U	570 U	560 U	1000 UD	550 U
Hexachloroethane	--		160 U	170 U	140 U	150 U	160 U	150 U	290 UD	150 U
Indeno[1,2,3-cd]pyrene	500		3600	250	89 J	120 J	160 U	150 U	2900 D	44 J
Isophorone	--		180 U	190 U	150 U	170 U	180 U	170 U	320 UD	170 U
Naphthalene	100000		200 U	210 U	170 U	180 U	200 U	190 U	170 JD	190 U
Nitrobenzene	--		180 U	190 U	150 U	170 U	180 U	170 U	320 UD	170 U
n-Nitrosodi-n-propylamine	--		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
n-Nitrosodiphenylamine	--		160 U	170 U	140 U	150 U	160 U	150 U	290 UD	150 U
Pentachlorophenol	6700		160 U	170 U	140 U	150 U	160 U	150 U	290 UD	150 U

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	B-15	B-15	B-16	B-16	B-16	B-16	B-17	B-17
	Part 375		1/10/2014	1/10/2014	12/19/2013	1/16/2014	1/16/2014	1/16/2014	1/20/2014	1/20/2014
	Restricted		7 - 9	10 - 11	0 - 2	7 - 9	10 - 12	18 - 20	0 - 2	7 - 9
	Residential									
Phenanthrene	100000		2700	270	120	110	120 U	120 U	4000 D	79 J
Phenol	100000		200 U	210 U	170 U	180 U	200 U	190 U	360 UD	190 U
Pyrene	100000		7000	440	180	150	120 U	120 U	11000 D	99 J

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

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Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:								
	Part 375	Sample Date:								
	Restricted Residential	Sample Depth (ft bls):	B-18 12/18/2013 0 - 2	B-18 12/18/2013 6 - 8	B-18 12/18/2013 8 - 10	B-19 12/17/2013 0 - 2	B-19 12/17/2013 6 - 8	B-19 12/17/2013 8 - 10	B-20 12/17/2013 0 - 2	B-20 12/17/2013 5 - 7
1,1'-Biphenyl	--		400 U	410 U	450 U	420 U	410 U	430 U	400 U	390 U
1,2,4,5-Tetrachlorobenzene	--		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
2,2'-oxybis (1-chloropropane)	--		210 U	220 U	240 U	220 U	220 U	220 U	210 U	210 U
2,4,5-Trichlorophenol	--		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
2,4,6-Trichlorophenol	--		100 U	110 U	120 U	110 U	110 U	110 U	110 U	100 U
2,4-Dichlorophenol	--		160 U	160 U	180 U	160 U	160 U	170 U	160 U	160 U
2,4-Dimethylphenol	--		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
2,4-Dinitrophenol	--		840 U	870 U	950 U	880 U	860 U	900 U	850 U	830 U
2,4-Dinitrotoluene	--		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
2,6-Dinitrotoluene	--		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
2-Chloronaphthalene	--		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
2-Chlorophenol	--		180 U	180 U	200 U	180 UJV	180 U	190 U	180 U	170 U
2-Methylnaphthalene	--		210 U	220 U	240 U	220 U	220 U	220 U	210 U	210 U
2-Methylphenol	100000		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
2-Nitroaniline	--		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
2-Nitrophenol	--		380 U	390 U	430 U	400 U	390 U	400 U	380 U	370 U
3&4-Methylphenol	100000		250 U	260 U	280 U	260 U	260 U	270 U	260 U	250 U
3,3'-Dichlorobenzidine	--		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
3-Nitroaniline	--		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
4,6-Dinitro-2-methylphenol	--		460 U	470 U	520 U	480 U	470 U	490 U	460 U	450 U
4-Bromophenyl phenyl ether	--		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
4-Chloro-3-methylphenol	--		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
4-Chloroaniline	--		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
4-Chlorophenyl phenyl ether	--		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
4-Nitroaniline	--		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
4-Nitrophenol	--		240 U	250 U	280 U	260 U	250 U	260 U	250 U	240 U
Acenaphthene	100000		140 U	46 J	160 U	150 U	140 U	150 U	140 U	140 U
Acenaphthylene	100000		140 U	36 J	160 U	62 J	140 U	150 U	140 U	32 J
Acetophenone	--		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
Anthracene	100000		60 J	180	120 U	100	170	110 U	110 U	46 J
Benzo[a]anthracene	1000		180	510	120 U	550	650	110 U	120	120

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:								
	Part 375	Sample Date:								
	Restricted Residential	Sample Depth (ft bls):								
		B-18	B-18	B-18	B-19	B-19	B-19	B-20	B-20	
		12/18/2013	12/18/2013	12/18/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	
		0 - 2	6 - 8	8 - 10	0 - 2	6 - 8	8 - 10	0 - 2	5 - 7	
Benzo[a]pyrene	1000	170	480	160 U	500	600	150 U	140	96 J	
Benzo[b]fluoranthene	1000	220	560	120 U	600	740	110 U	170	140	
Benzo[g,h,i]perylene	100000	100 J	310	160 U	360	390	150 U	100 J	64 J	
Benzo[k]fluoranthene	3900	74 J	200	120 U	260	290	110 U	53 J	40 J	
Benzoic Acid	--	570 U	590 U	640 U	590 U	580 U	610 U	580 U	560 U	
Benzyl Alcohol	--	180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U	
Bis(2-chloroethoxy)methane	--	190 U	200 U	210 U	200 U	190 U	200 U	190 U	190 U	
Bis(2-chloroethyl) ether	--	160 U	160 U	180 U	160 U	160 U	170 U	160 U	160 U	
Bis(2-ethylhexyl) phthalate	--	180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U	
Butylbenzyl phthalate	--	180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U	
Carbazole	--	180 U	180 U	200 U	83 J	180 U	190 U	180 U	170 U	
Chrysene	3900	180	460	120 U	620	620	110 U	150	110	
Dibenzo[a,h]anthracene	330	100 U	76 J	120 U	78 J	100 J	110 U	110 U	100 U	
Dibenzofuran	59000	180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U	
Diethyl phthalate	--	180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U	
Dimethyl phthalate	--	180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U	
Di-n-butyl phthalate	--	180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U	
Di-n-octyl phthalate	--	180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U	
Fluoranthene	100000	400	1100	74 J	1100	1500	37 J	160	220	
Fluorene	100000	180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U	
Hexachlorobenzene	1200	100 U	110 U	120 U	110 U	110 U	110 U	110 U	100 U	
Hexachlorobutadiene	--	180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U	
Hexachlorocyclopentadiene	--	500 U	520 U	570 U	520 U	510 U	540 U	510 U	500 U	
Hexachloroethane	--	140 U	140 U	160 U	150 U	140 U	150 U	140 U	140 U	
Indeno[1,2,3-cd]pyrene	500	91 J	270	160 U	210	340	150 U	76 J	58 J	
Isophorone	--	160 U	160 U	180 U	160 U	160 U	170 U	160 U	160 U	
Naphthalene	100000	180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U	
Nitrobenzene	--	160 U	160 U	180 U	160 U	160 U	170 U	160 U	160 U	
n-Nitrosodi-n-propylamine	--	180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U	
n-Nitrosodiphenylamine	--	140 U	140 U	160 U	150 U	140 U	150 U	140 U	140 U	
Pentachlorophenol	6700	140 U	140 U	160 U	150 U	140 U	150 U	140 U	140 U	

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	B-18	B-18	B-18	B-19	B-19	B-19	B-20	B-20
	Part 375		B-18	B-18	B-18	B-19	B-19	B-19	B-20	B-20
	Restricted		12/18/2013	12/18/2013	12/18/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013
	Residential		0 - 2	6 - 8	8 - 10	0 - 2	6 - 8	8 - 10	0 - 2	5 - 7
Phenanthrene	100000		220	620	140	990	640	37 J	84 J	160
Phenol	100000		180 U	180 U	200 U	180 U	180 U	190 U	180 U	170 U
Pyrene	100000		390	1000	80 J	1000	1300	38 J	200	190

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:	B-20	B-21	B-21	B-21	B-22	B-22 DUP	B-22	B-23
	Part 375	Sample Date:	12/17/2013	12/17/2013	12/17/2013	12/17/2013	1/13/2014	1/13/2014	1/13/2014	1/13/2014
	Restricted Residential	Sample Depth (ft bls):	7 - 8	0 - 2	5 - 7	7 - 8	0 - 2	0 - 2	4 - 6	0 - 2
1,1'-Biphenyl	--		8500 UD	420 U	450 U	9200 UD	460 U	450 U	9600 UD	540 U
1,2,4,5-Tetrachlorobenzene	--		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
2,2'-oxybis (1-chloropropane)	--		4500 UD	220 U	240 U	4900 UD	240 U	240 U	5100 UD	280 U
2,4,5-Trichlorophenol	--		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
2,4,6-Trichlorophenol	--		2200 UD	110 U	120 U	2400 UD	120 U	120 U	2500 UD	140 U
2,4-Dichlorophenol	--		3400 UD	170 U	180 U	3600 UD	180 U	180 U	3800 UD	210 U
2,4-Dimethylphenol	--		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
2,4-Dinitrophenol	--		18000 UD	890 U	950 U	19000 UD	960 U	950 U	20000 UD	1100 U
2,4-Dinitrotoluene	--		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
2,6-Dinitrotoluene	--		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
2-Chloronaphthalene	--		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
2-Chlorophenol	--		3700 UD	180 UJV	200 U	4000 UD	200 U	200 U	4200 UD	240 U
2-Methylnaphthalene	--		4500 UD	220 U	94 J	4900 UD	240 U	140 J	5100 UD	280 U
2-Methylphenol	100000		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
2-Nitroaniline	--		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
2-Nitrophenol	--		8000 UD	400 U	420 U	8800 UD	430 U	430 U	9100 UD	510 U
3&4-Methylphenol	100000		5400 UD	270 U	280 U	5800 UD	290 U	280 U	6100 UD	340 U
3,3'-Dichlorobenzidine	--		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
3-Nitroaniline	--		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
4,6-Dinitro-2-methylphenol	--		9700 UD	480 U	510 U	10000 UD	520 U	510 U	11000 UD	620 U
4-Bromophenyl phenyl ether	--		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
4-Chloro-3-methylphenol	--		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
4-Chloroaniline	--		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
4-Chlorophenyl phenyl ether	--		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
4-Nitroaniline	--		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
4-Nitrophenol	--		5200 UD	260 U	280 U	5700 UD	280 U	280 U	5900 UD	330 U
Acenaphthene	100000		3000 UD	150 U	160 U	3200 UD	160 JV	310 JV	3400 UD	58 J
Acenaphthylene	100000		3000 UD	150 U	160 U	3200 UD	220	200	3400 UD	190 U
Acetophenone	--		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
Anthracene	100000		2200 UD	64 J	120 U	770 JD	520 JV	1000 JV	850 JD	150
Benzo[a]anthracene	1000		2200 UD	150	40 J	2400 UD	1500	2100	1300 JD	410

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:								
	Part 375	Sample Date:								
	Restricted	Sample Depth (ft bls):								
	Residential	B-20	B-21	B-21	B-21	B-22	B-22 DUP	B-22	B-23	
		12/17/2013	12/17/2013	12/17/2013	12/17/2013	1/13/2014	1/13/2014	1/13/2014	1/13/2014	
		7 - 8	0 - 2	5 - 7	7 - 8	0 - 2	0 - 2	4 - 6	0 - 2	
Benzo[a]pyrene	1000	3000 UD	150 J	53 J	3200 UD	1500	2300	3400 UD	390	
Benzo[b]fluoranthene	1000	2200 UD	140	77 J	2400 UD	1900	2800	1200 JD	530	
Benzo[g,h,i]perylene	100000	3000 UD	100 J	44 J	3200 UD	1000	1400	3400 UD	250	
Benzo[k]fluoranthene	3900	2200 UD	67 J	120 U	2400 UD	670 JV	1200 JV	2500 UD	180	
Benzoic Acid	--	12000 UD	600 U	640 U	13000 UD	650 U	640 U	14000 UD	770 U	
Benzyl Alcohol	--	3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U	
Bis(2-chloroethoxy)methane	--	4000 UD	200 U	210 U	4400 UD	220 U	210 U	4600 UD	260 U	
Bis(2-chloroethyl) ether	--	3400 UD	170 U	180 U	3600 UD	180 U	180 U	3800 UD	210 U	
Bis(2-ethylhexyl) phthalate	--	3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	600	
Butylbenzyl phthalate	--	3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U	
Carbazole	--	3700 UD	180 U	200 U	4000 UD	200	340	4200 UD	240 U	
Chrysene	3900	2200 UD	170	47 J	2400 UD	1700	2400	1300 JD	430	
Dibenzo[a,h]anthracene	330	2200 UD	110 U	120 U	2400 UD	260	360	2500 UD	62 J	
Dibenzofuran	59000	3700 UD	180 U	200 U	4000 UD	140 J	210	4200 UD	240 U	
Diethyl phthalate	--	3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U	
Dimethyl phthalate	--	3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U	
Di-n-butyl phthalate	--	3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U	
Di-n-octyl phthalate	--	3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U	
Fluoranthene	100000	2200 UD	330	67 J	2400 UD	3500	5400	3500 D	940	
Fluorene	100000	3700 UD	180 U	200 U	4000 UD	200 JV	380 JV	4200 UD	78 J	
Hexachlorobenzene	1200	2200 UD	110 U	120 U	2400 UD	120 U	120 U	2500 UD	140 U	
Hexachlorobutadiene	--	3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U	
Hexachlorocyclopentadiene	--	11000 UD	530 U	560 U	12000 UD	570 U	570 U	12000 UD	680 U	
Hexachloroethane	--	3000 UD	150 U	160 U	3200 UD	160 U	160 U	3400 UD	190 U	
Indeno[1,2,3-cd]pyrene	500	3000 UD	83 J	160 U	3200 UD	960	1400	3400 UD	250	
Isophorone	--	3400 UD	170 U	180 U	3600 UD	180 U	180 U	3800 UD	210 U	
Naphthalene	100000	3700 UD	180 U	200 U	4000 UD	87 JV	230 JV	5100 D	240 U	
Nitrobenzene	--	3400 UD	170 U	180 U	3600 UD	180 U	180 U	3800 UD	210 U	
n-Nitrosodi-n-propylamine	--	3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U	
n-Nitrosodiphenylamine	--	3000 UD	150 U	160 U	3200 UD	160 U	160 U	3400 UD	190 U	
Pentachlorophenol	6700	3000 UD	150 U	160 U	3200 UD	160 U	160 U	3400 UD	190 U	

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:	B-20	B-21	B-21	B-21	B-22	B-22 DUP	B-22	B-23
	Part 375									
	Restricted									
	Residential									
		Sample Date:	12/17/2013	12/17/2013	12/17/2013	12/17/2013	1/13/2014	1/13/2014	1/13/2014	1/13/2014
		Sample Depth (ft bls):	7 - 8	0 - 2	5 - 7	7 - 8	0 - 2	0 - 2	4 - 6	0 - 2
Phenanthrene	100000		2200 UD	210	40 J	6800 D	2200	3600	3800 D	720
Phenol	100000		3700 UD	180 U	200 U	4000 UD	200 U	200 U	4200 UD	240 U
Pyrene	100000		2200 UD	280	67 J	820 JD	3100	4600	3000 D	800

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	B-23 1/13/2014 2 - 4	B-24 1/14/2014 0 - 2	B-24 1/14/2014 2 - 4	B-25 1/14/2014 0 - 2	B-25 1/14/2014 2 - 4	B-26 1/14/2014 0 - 2	B-26 1/14/2014 4 - 6	B-27 1/14/2014 0 - 2
	Part 375									
	Restricted									
	Residential									
1,1'-Biphenyl	--		9800 UD	470 U	9100 UD	9000 UD	9400 UD	9200 UD	9300 UD	9400 UD
1,2,4,5-Tetrachlorobenzene	--		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
2,2'-oxybis (1-chloropropane)	--		5200 UD	250 U	4800 UD	4800 UD	4900 UD	4800 UD	4900 UD	4900 UD
2,4,5-Trichlorophenol	--		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
2,4,6-Trichlorophenol	--		2600 UD	120 U	2400 UD	2400 UD	2500 UD	2400 UD	2400 UD	2500 UD
2,4-Dichlorophenol	--		3900 UD	180 U	3600 UD	3600 UD	3700 UD	3600 UD	3600 UD	3700 UD
2,4-Dimethylphenol	--		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
2,4-Dinitrophenol	--		21000 UD	980 U	19000 UD	19000 UD	20000 UD	19000 UD	19000 UD	20000 UD
2,4-Dinitrotoluene	--		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
2,6-Dinitrotoluene	--		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
2-Chloronaphthalene	--		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
2-Chlorophenol	--		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
2-Methylnaphthalene	--		5200 UD	250 U	4800 UD	4800 UD	4900 UD	4800 UD	4900 UD	4900 UD
2-Methylphenol	100000		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
2-Nitroaniline	--		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
2-Nitrophenol	--		9300 UD	440 U	8600 UD	8600 UD	8900 UD	8700 UD	8800 UD	8900 UD
3&4-Methylphenol	100000		6200 UD	300 U	5800 UD	5700 UD	5900 UD	5800 UD	5800 UD	5900 UD
3,3'-Dichlorobenzidine	--		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
3-Nitroaniline	--		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
4,6-Dinitro-2-methylphenol	--		11000 UD	530 U	10000 UD	10000 UD	11000 UD	10000 UD	10000 UD	11000 UD
4-Bromophenyl phenyl ether	--		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
4-Chloro-3-methylphenol	--		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
4-Chloroaniline	--		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
4-Chlorophenyl phenyl ether	--		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
4-Nitroaniline	--		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
4-Nitrophenol	--		6000 UD	290 U	5600 UD	5600 UD	5800 UD	5600 UD	5700 UD	5800 UD
Acenaphthene	100000		3400 UD	47 J	3200 UD	3200 UD	3300 UD	3200 UD	3200 UD	3300 UD
Acenaphthylene	100000		3400 UD	39 J	3200 UD	3200 UD	3300 UD	3200 UD	3200 UD	3300 UD
Acetophenone	--		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
Anthracene	100000		2600 UD	270	2400 UD	2400 UD	2500 UD	3400 D	1100 JD	720 JD
Benzo[a]anthracene	1000		2600 UD	1800	2400 UD	2400 UD	2500 UD	2600 D	1100 JD	1700 JD

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:								
	Part 375	Sample Date:								
	Restricted	Sample Depth (ft bls):								
	Residential	B-23	B-24	B-24	B-25	B-25	B-26	B-26	B-27	
		1/13/2014	1/14/2014	1/14/2014	1/14/2014	1/14/2014	1/14/2014	1/14/2014	1/14/2014	1/14/2014
		2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	4 - 6	0 - 2	
Benzo[a]pyrene	1000	3400 UD	1800	3200 UD	3200 UD	3300 UD	2100 JD	3200 UD	1700 JD	
Benzo[b]fluoranthene	1000	2600 UD	2000	2400 UD	2400 UD	2500 UD	2800 D	1200 JD	2100 JD	
Benzo[g,h,i]perylene	100000	3400 UD	980	3200 UD	3200 UD	3300 UD	1300 JD	3200 UD	1100 JD	
Benzo[k]fluoranthene	3900	2600 UD	690	2400 UD	2400 UD	2500 UD	1000 JD	2400 UD	2500 UD	
Benzoic Acid	--	14000 UD	660 U	13000 UD	13000 UD	13000 UD	13000 UD	13000 UD	13000 UD	
Benzyl Alcohol	--	4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD	
Bis(2-chloroethoxy)methane	--	4600 UD	220 U	4300 UD	4300 UD	4400 UD	4300 UD	4400 UD	4400 UD	
Bis(2-chloroethyl) ether	--	3900 UD	180 U	3600 UD	3600 UD	3700 UD	3600 UD	3600 UD	3700 UD	
Bis(2-ethylhexyl) phthalate	--	4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD	
Butylbenzyl phthalate	--	4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD	
Carbazole	--	4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD	
Chrysene	3900	2600 UD	1900	2400 UD	2400 UD	2500 UD	2600 D	1000 JD	1700 JD	
Dibenzo[a,h]anthracene	330	2600 UD	260	2400 UD	2400 UD	2500 UD	2400 UD	2400 UD	2500 UD	
Dibenzofuran	59000	4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD	
Diethyl phthalate	--	4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD	
Dimethyl phthalate	--	4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD	
Di-n-butyl phthalate	--	4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD	
Di-n-octyl phthalate	--	4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD	
Fluoranthene	100000	2600 UD	2600	1100 JD	1000 JD	2500 UD	7300 D	2600 D	3700 D	
Fluorene	100000	4300 UD	200 U	4000 UD	1900 JD	4100 UD	8200 D	2400 JD	4100 UD	
Hexachlorobenzene	1200	2600 UD	120 U	2400 UD	2400 UD	2500 UD	2400 UD	2400 UD	2500 UD	
Hexachlorobutadiene	--	4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD	
Hexachlorocyclopentadiene	--	12000 UD	590 U	11000 UD	11000 UD	12000 UD	12000 UD	12000 UD	12000 UD	
Hexachloroethane	--	3400 UD	160 U	3200 UD	3200 UD	3300 UD	3200 UD	3200 UD	3300 UD	
Indeno[1,2,3-cd]pyrene	500	3400 UD	940	3200 UD	3200 UD	3300 UD	1200 JD	3200 UD	1000 JD	
Isophorone	--	3900 UD	180 U	3600 UD	3600 UD	3700 UD	3600 UD	3600 UD	3700 UD	
Naphthalene	100000	4300 UD	160 J	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD	
Nitrobenzene	--	3900 UD	180 U	3600 UD	3600 UD	3700 UD	3600 UD	3600 UD	3700 UD	
n-Nitrosodi-n-propylamine	--	4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD	
n-Nitrosodiphenylamine	--	3400 UD	160 U	3200 UD	3200 UD	3300 UD	3200 UD	3200 UD	3300 UD	
Pentachlorophenol	6700	3400 UD	160 U	3200 UD	3200 UD	3300 UD	3200 UD	3200 UD	3300 UD	

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	B-23	B-24	B-24	B-25	B-25	B-26	B-26	B-27
	Part 375		1/13/2014	1/14/2014	1/14/2014	1/14/2014	1/14/2014	1/14/2014	1/14/2014	1/14/2014
	Restricted		2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	4 - 6	0 - 2
	Residential									
Phenanthrene	100000		2600 UD	1000	1400 JD	5100 D	2600 D	23000 D	7300 D	3500 D
Phenol	100000		4300 UD	200 U	4000 UD	4000 UD	4100 UD	4000 UD	4100 UD	4100 UD
Pyrene	100000		2600 UD	3200	870 JD	1100 JD	2500 UD	7100 D	2500 D	3300 D

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

	NYSDEC								
	Part 375	Sample Designation:	B-27	MW-1/1R	MW-1/1R	MW-1/1R	MW-1/1R	MW-2/2R	MW-2/2R DUP
Parameter	Restricted	Sample Date:	1/14/2014	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
(Concentrations in µg/kg)	Residential	Sample Depth (ft bls):	4 - 6	0 - 2	3 - 5	6 - 8	24 - 25	0 - 2	0 - 2
1,1'-Biphenyl	--		10000 UD	870 U	530 U	4700 UD	480 U	830 UD	810 UD
1,2,4,5-Tetrachlorobenzene	--		4400 UD	380 U	230 U	2000 UD	210 U	360 U	360 UD
2,2'-oxybis (1-chloropropane)	--		5300 UD	460 U	280 U	2400 UD	250 U	440 U	430 UD
2,4,5-Trichlorophenol	--		4400 UD	380 U	230 U	2000 UD	210 U	360 UD	360 UD
2,4,6-Trichlorophenol	--		2600 UD	230 U	140 U	1200 UD	120 U	220 U	210 UD
2,4-Dichlorophenol	--		4000 UD	340 U	210 U	1800 UD	190 U	330 UD	320 U
2,4-Dimethylphenol	--		4400 UD	380 U	230 U	2000 UD	210 U	180 U	360 U
2,4-Dinitrophenol	--		21000 UD	1800 U	1100 U	9800 UD	1000 U	1800 U	860 U
2,4-Dinitrotoluene	--		4400 UD	380 U	230 U	2000 UD	210 U	360 U	360 UD
2,6-Dinitrotoluene	--		4400 UD	380 U	230 U	2000 UD	210 U	360 UD	360 U
2-Chloronaphthalene	--		4400 UD	380 U	230 U	2000 UD	210 U	360 U	360 U
2-Chlorophenol	--		4400 UD	380 U	230 U	2000 UD	210 U	180 UJVD	360 U
2-Methylnaphthalene	--		5300 UD	200 J	84 J	1600 JD	250 U	440 UD	160 JD
2-Methylphenol	100000		4400 UD	380 U	230 U	2000 UD	210 U	360 UD	360 U
2-Nitroaniline	--		4400 UD	380 U	230 U	2000 UD	210 U	360 U	360 UD
2-Nitrophenol	--		9600 UD	830 U	500 U	4400 UD	450 U	390 U	770 UD
3&4-Methylphenol	100000		6400 UD	550 U	330 U	2900 UD	300 U	530 UD	510 UD
3,3'-Dichlorobenzidine	--		4400 UD	380 U	230 U	2000 UD	210 U	360 UD	180 UD
3-Nitroaniline	--		4400 UD	380 U	230 U	2000 UD	210 U	360 U	360 U
4,6-Dinitro-2-methylphenol	--		12000 UD	1000 U	600 U	5300 UD	540 U	950 U	930 UD
4-Bromophenyl phenyl ether	--		4400 UD	380 U	230 U	2000 UD	210 U	360 U	360 U
4-Chloro-3-methylphenol	--		4400 UD	380 U	230 U	2000 UD	210 U	360 U	360 U
4-Chloroaniline	--		4400 UD	380 U	230 U	2000 UD	210 U	360 UD	360 U
4-Chlorophenyl phenyl ether	--		4400 UD	380 U	230 U	2000 UD	210 U	180 UD	360 U
4-Nitroaniline	--		4400 UD	380 U	230 U	2000 UD	210 U	360 UD	360 UD
4-Nitrophenol	--		6200 UD	540 U	320 U	2900 UD	290 U	510 U	500 UD
Acenaphthene	100000		1800 JD	310 U	220	1600 UD	170 U	270	500 D
Acenaphthylene	100000		3500 UD	110 J	62 J	1600 UD	170 U	490	350 JV
Acetophenone	--		4400 UD	380 U	230 U	2000 UD	210 U	360 UD	360 U
Anthracene	100000		2200 JD	350	570	1200 UD	120 U	970 D	1500
Benzo[a]anthracene	1000		3200 D	1500	1600	1200 UD	120 U	2400 D	3500

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

	NYSDEC								
	Part 375	Sample Designation:	B-27	MW-1/1R	MW-1/1R	MW-1/1R	MW-1/1R	MW-2/2R	MW-2/2R DUP
Parameter	Restricted	Sample Date:	1/14/2014	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
(Concentrations in µg/kg)	Residential	Sample Depth (ft bls):	4 - 6	0 - 2	3 - 5	6 - 8	24 - 25	0 - 2	0 - 2
Benzo[a]pyrene	1000		3000 JD	1500	1400	1600 UD	170 U	2400 D	2900
Benzo[b]fluoranthene	1000		3700 D	1800	1700	1200 UD	120 U	4100	3600 D
Benzo[g,h,i]perylene	100000		1900 JD	1000	910	1600 UD	170 U	1900	1900
Benzo[k]fluoranthene	3900		1300 JD	570	570	1200 UD	120 U	1000 D	1400 D
Benzoic Acid	--		14000 UD	1200 U	750 U	6600 UD	680 U	1200 U	1200 UD
Benzyl Alcohol	--		4400 UD	380 U	230 U	2000 UD	210 U	360 U	360 UD
Bis(2-chloroethoxy)methane	--		4800 UD	410 U	250 U	2200 UD	220 U	200 UD	190 UD
Bis(2-chloroethyl) ether	--		4000 UD	340 U	210 U	1800 UD	190 U	330 UD	320 UD
Bis(2-ethylhexyl) phthalate	--		4400 UD	380 U	230 U	2000 UD	210 U	360 U	360 U
Butylbenzyl phthalate	--		4400 UD	380 U	230 U	2000 UD	210 U	360 U	360 U
Carbazole	--		4400 UD	92 J	160 J	2000 UD	210 U	450 D	690
Chrysene	3900		3400 D	1700	1700	1200 UD	120 U	3200 D	3500
Dibenzo[a,h]anthracene	330		2600 UD	200 J	250	1200 UD	120 U	520	540
Dibenzofuran	59000		4400 UD	380 U	150 J	2000 UD	210 U	160 JD	470 D
Diethyl phthalate	--		4400 UD	380 U	230 U	2000 UD	210 U	360 UD	360 U
Dimethyl phthalate	--		4400 UD	380 U	230 U	2000 UD	210 U	180 UD	360 UD
Di-n-butyl phthalate	--		4400 UD	380 U	230 U	2000 UD	210 U	360 UD	180 UD
Di-n-octyl phthalate	--		4400 UD	380 U	230 U	2000 UD	210 U	360 U	360 UD
Fluoranthene	100000		8000 D	2600	3200	460 JD	120 U	5100	7600
Fluorene	100000		1800 JD	380 U	210 J	2000 UD	210 U	260	480 D
Hexachlorobenzene	1200		2600 UD	230 U	140 U	1200 UD	120 U	220 U	210 UD
Hexachlorobutadiene	--		4400 UD	380 U	230 U	2000 UD	210 U	180 UD	360 U
Hexachlorocyclopentadiene	--		13000 UD	1100 U	660 U	5900 UD	600 U	1000 U	520 UD
Hexachloroethane	--		3500 UD	310 U	180 U	1600 UD	170 U	290 UD	140 UD
Indeno[1,2,3-cd]pyrene	500		1700 JD	990	860	1600 UD	170 U	1600	2100
Isophorone	--		4000 UD	340 U	210 U	1800 UD	190 U	160 U	320 UD
Naphthalene	100000		4400 UD	200 J	170 J	2000 UD	210 U	200	290 JD
Nitrobenzene	--		4000 UD	340 U	210 U	1800 UD	190 U	330 U	320 UD
n-Nitrosodi-n-propylamine	--		4400 UD	380 U	230 U	2000 UD	210 U	360 U	360 UD
n-Nitrosodiphenylamine	--		3500 UD	310 U	180 U	1600 UD	170 U	290 U	140 UD
Pentachlorophenol	6700		3500 UD	310 U	180 U	1600 UD	170 U	140 U	280 U

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC								
	Part 375	Sample Designation:	B-27	MW-1/1R	MW-1/1R	MW-1/1R	MW-1/1R	MW-2/2R	MW-2/2R DUP
	Restricted	Sample Date:	1/14/2014	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Residential	Sample Depth (ft bls):	4 - 6	0 - 2	3 - 5	6 - 8	24 - 25	0 - 2	0 - 2
Phenanthrene	100000		9100 D	1500	2800	640 JD	120 U	3500	3800
Phenol	100000		4400 UD	380 U	230 U	2000 UD	210 U	360 UD	180 U
Pyrene	100000		6700 D	2700	3100	510 JD	120 U	6000	6500 D

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:							
	Part 375	Sample Date:							
	Restricted Residential	Sample Depth (ft bls):	MW-2/2R 12/16/2013 6 - 8	MW-2/2R 12/16/2013 14 - 15	MW-2/2R 12/16/2013 23 - 24	MW-6/6R 12/30/2013 0 - 2	MW-6/6R 1/17/2014 9 - 11	MW-6/6R 1/17/2014 11 - 12	MW-6/6R 1/17/2014 15 - 17
1,1'-Biphenyl	--		430 U	9900 UD	440 U	410 U	8200 UD	8900 UD	9100 UD
1,2,4,5-Tetrachlorobenzene	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
2,2'-oxybis (1-chloropropane)	--		230 U	5200 UD	230 U	210 U	4300 UD	4700 UD	4800 UD
2,4,5-Trichlorophenol	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
2,4,6-Trichlorophenol	--		110 U	2600 UD	110 U	110 U	2200 UD	2300 UD	2400 UD
2,4-Dichlorophenol	--		170 U	3900 UD	170 U	160 U	3200 UD	3500 UD	3600 UD
2,4-Dimethylphenol	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
2,4-Dinitrophenol	--		910 U	21000 UD	920 U	860 U	17000 UD	19000 UD	19000 UD
2,4-Dinitrotoluene	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
2,6-Dinitrotoluene	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
2-Chloronaphthalene	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
2-Chlorophenol	--		190 U	4300 UD	190 U	180 UJV	3600 UD	3900 UD	4000 UD
2-Methylnaphthalene	--		110 J	4300 JD	230 U	210 U	1400 JD	15000 D	5500 D
2-Methylphenol	100000		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
2-Nitroaniline	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
2-Nitrophenol	--		410 U	9400 UD	410 U	380 U	7800 UD	8400 UD	8600 UD
3&4-Methylphenol	100000		270 U	6200 UD	270 U	260 U	5200 UD	5600 UD	5700 UD
3,3'-Dichlorobenzidine	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
3-Nitroaniline	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
4,6-Dinitro-2-methylphenol	--		490 U	11000 UD	500 U	460 U	9300 UD	10000 UD	10000 UD
4-Bromophenyl phenyl ether	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
4-Chloro-3-methylphenol	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
4-Chloroaniline	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
4-Chlorophenyl phenyl ether	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
4-Nitroaniline	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
4-Nitrophenol	--		260 U	6100 UD	270 U	250 U	5000 UD	5500 UD	5600 UD
Acenaphthene	100000		550	3500 UD	150 U	390	1600 JD	3100 UD	3200 UD
Acenaphthylene	100000		280	3500 UD	150 U	78 J	2900 UD	3100 UD	3200 UD
Acetophenone	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
Anthracene	100000		1400	2600 UD	110 U	820	2700 D	2300 UD	2400 UD
Benzo[a]anthracene	1000		4100	2600 UD	110 U	2000	5700 D	2300 UD	2400 UD

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

	NYSDEC								
	Part 375	Sample Designation:	MW-2/2R	MW-2/2R	MW-2/2R	MW-6/6R	MW-6/6R	MW-6/6R	MW-6/6R
Parameter	Restricted	Sample Date:	12/16/2013	12/16/2013	12/16/2013	12/30/2013	1/17/2014	1/17/2014	1/17/2014
(Concentrations in µg/kg)	Residential	Sample Depth (ft bls):	6 - 8	14 - 15	23 - 24	0 - 2	9 - 11	11 - 12	15 - 17
Benzo[a]pyrene	1000		3100	3500 UD	150 U	1700	4900 D	3100 UD	3200 UD
Benzo[b]fluoranthene	1000		3900	2600 UD	110 U	2200	6500 D	2300 UD	2400 UD
Benzo[g,h,i]perylene	100000		2000	3500 UD	150 U	920	3000 D	3100 UD	3200 UD
Benzo[k]fluoranthene	3900		1600	2600 UD	110 U	950	2400 D	2300 UD	2400 UD
Benzoic Acid	--		610 U	14000 UD	620 U	580 U	12000 UD	13000 UD	13000 UD
Benzyl Alcohol	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
Bis(2-chloroethoxy)methane	--		200 U	4700 UD	210 U	190 U	3900 UD	4200 UD	4300 UD
Bis(2-chloroethyl) ether	--		170 U	3900 UD	170 U	160 U	3200 UD	3500 UD	3600 UD
Bis(2-ethylhexyl) phthalate	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
Butylbenzyl phthalate	--		190 U	4300 UD	190 U	49 J	3600 UD	3900 UD	4000 UD
Carbazole	--		550	4300 UD	190 U	470	1400 JD	3900 UD	4000 UD
Chrysene	3900		4000	2600 UD	110 U	2000	5900 D	2300 UD	2400 UD
Dibenzo[a,h]anthracene	330		490	2600 UD	110 U	250	700 JD	2300 UD	2400 UD
Dibenzofuran	59000		230	4300 UD	190 U	160 J	3600 UD	3900 UD	4000 UD
Diethyl phthalate	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
Dimethyl phthalate	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
Di-n-butyl phthalate	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
Di-n-octyl phthalate	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
Fluoranthene	100000		7300	2600 UD	110 U	3900	12000 D	2300 UD	950 JD
Fluorene	100000		460	4300 UD	190 U	280	1200 JD	3900 UD	4000 UD
Hexachlorobenzene	1200		110 U	2600 UD	110 U	110 U	2200 UD	2300 UD	2400 UD
Hexachlorobutadiene	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
Hexachlorocyclopentadiene	--		540 U	12000 UD	550 U	510 U	10000 UD	11000 UD	11000 UD
Hexachloroethane	--		150 U	3500 UD	150 U	140 U	2900 UD	3100 UD	3200 UD
Indeno[1,2,3-cd]pyrene	500		1700	3500 UD	150 U	1100	3300 D	3100 UD	3200 UD
Isophorone	--		170 U	3900 UD	170 U	160 U	3200 UD	3500 UD	3600 UD
Naphthalene	100000		120 J	18000 D	190 U	110 J	3400 JD	52000 D	16000 D
Nitrobenzene	--		170 U	3900 UD	170 U	160 U	3200 UD	3500 UD	3600 UD
n-Nitrosodi-n-propylamine	--		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
n-Nitrosodiphenylamine	--		150 U	3500 UD	150 U	140 U	2900 UD	3100 UD	3200 UD
Pentachlorophenol	6700		150 U	3500 UD	150 U	140 U	2900 UD	3100 UD	3200 UD

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC								
	Part 375	Sample Designation:	MW-2/2R	MW-2/2R	MW-2/2R	MW-6/6R	MW-6/6R	MW-6/6R	MW-6/6R
	Restricted	Sample Date:	12/16/2013	12/16/2013	12/16/2013	12/30/2013	1/17/2014	1/17/2014	1/17/2014
	Residential	Sample Depth (ft bls):	6 - 8	14 - 15	23 - 24	0 - 2	9 - 11	11 - 12	15 - 17
Phenanthrene	100000		8500 E	1400 JD	110 U	2500	11000 D	2900 D	2400 D
Phenol	100000		190 U	4300 UD	190 U	180 U	3600 UD	3900 UD	4000 UD
Pyrene	100000		7400	2600 UD	110 U	3000	9700 D	2300 UD	940 JD

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:	MW-6/6R DUP	MW-7/7R	MW-7/7R	MW-14	MW-14 DUP	MW-14	MW-14
	Part 375	Sample Date:	1/17/2014	12/19/2013	1/14/2014	12/19/2013	12/19/2013	1/17/2014	1/17/2014
	Restricted Residential	Sample Depth (ft bls):	15 - 17	0 - 2	2 - 4	0 - 2	0 - 2	7 - 9	10 - 12
1,1'-Biphenyl	--		8600 UD	8800 UD	10000 UD	820 UD	430 U	890 UD	440 U
1,2,4,5-Tetrachlorobenzene	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
2,2'-oxybis (1-chloropropane)	--		4500 UD	4600 UD	5200 UD	430 UD	230 U	470 UD	230 U
2,4,5-Trichlorophenol	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
2,4,6-Trichlorophenol	--		2300 UD	2300 UD	2600 UD	220 UD	110 U	230 UD	120 U
2,4-Dichlorophenol	--		3400 UD	3400 UD	3900 UD	320 UD	170 U	350 UD	170 U
2,4-Dimethylphenol	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
2,4-Dinitrophenol	--		18000 UD	18000 UD	21000 UD	1700 UD	910 U	1900 UD	930 U
2,4-Dinitrotoluene	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
2,6-Dinitrotoluene	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
2-Chloronaphthalene	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
2-Chlorophenol	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
2-Methylnaphthalene	--		5300 D	4600 UD	5200 UD	430 UD	150 J	220 JD	230 U
2-Methylphenol	100000		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
2-Nitroaniline	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
2-Nitrophenol	--		8200 UD	8300 UD	9400 UD	780 UD	410 U	840 UD	420 U
3&4-Methylphenol	100000		5400 UD	5500 UD	6300 UD	520 UD	270 U	560 UD	280 U
3,3'-Dichlorobenzidine	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
3-Nitroaniline	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
4,6-Dinitro-2-methylphenol	--		9800 UD	10000 UD	11000 UD	940 UD	490 U	1000 UD	500 U
4-Bromophenyl phenyl ether	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
4-Chloro-3-methylphenol	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
4-Chloroaniline	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
4-Chlorophenyl phenyl ether	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
4-Nitroaniline	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
4-Nitrophenol	--		5300 UD	5400 UD	6100 UD	500 UD	260 U	540 UD	270 U
Acenaphthene	100000		3000 UD	1700 JD	3500 UD	83 JVD	320 JV	670 D	160 U
Acenaphthylene	100000		3000 UD	3100 UD	3500 UD	290 UD	130 J	400 D	160 U
Acetophenone	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
Anthracene	100000		2300 UD	1500 JD	2600 UD	170 JVD	830 JV	1300 D	120 U
Benzo[a]anthracene	1000		750 JD	3200 D	1200 JD	340 JVD	1900 JV	4000 D	120 U

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	MW-6/6R DUP 1/17/2014 15 - 17	MW-7/7R 12/19/2013 0 - 2	MW-7/7R 1/14/2014 2 - 4	MW-14 12/19/2013 0 - 2	MW-14 DUP 12/19/2013 0 - 2	MW-14 1/17/2014 7 - 9	MW-14 1/17/2014 10 - 12
	Part 375								
	Restricted Residential								
Benzo[a]pyrene	1000		3000 UD	2800 JD	3500 UD	300 JVD	1900 JV	3800 D	160 U
Benzo[b]fluoranthene	1000		760 JD	3600 D	1300 JD	360 JVD	1900 JV	4900 D	120 U
Benzo[g,h,i]perylene	100000		3000 UD	1700 JD	3500 UD	160 JVD	1300 JV	2100 D	160 U
Benzo[k]fluoranthene	3900		2300 UD	1200 JD	2600 UD	160 JVD	840 JV	2000 D	120 U
Benzoic Acid	--		12000 UD	12000 UD	14000 UD	1200 UD	610 U	1300 UD	630 U
Benzyl Alcohol	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
Bis(2-chloroethoxy)methane	--		4100 UD	4200 UD	4700 UD	390 UD	200 U	420 UD	210 U
Bis(2-chloroethyl) ether	--		3400 UD	3400 UD	3900 UD	320 UD	170 U	350 UD	170 U
Bis(2-ethylhexyl) phthalate	--		3800 UD	3800 UD	4400 UD	230 JD	93 J	390 UD	190 U
Butylbenzyl phthalate	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
Carbazole	--		3800 UD	3800 UD	4400 UD	80 JVD	310 JV	550 D	190 U
Chrysene	3900		2300 UD	3200 D	1200 JD	360 D	1800 JV	4400 D	120 U
Dibenzo[a,h]anthracene	330		2300 UD	2300 UD	2600 UD	220 UJVD	360 JV	630 D	120 U
Dibenzofuran	59000		3800 UD	3800 UD	4400 UD	360 UJVD	330 JV	490 D	190 U
Diethyl phthalate	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
Dimethyl phthalate	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
Di-n-butyl phthalate	--		3800 UD	3800 UD	4400 UD	360 UD	37 J	390 UD	190 U
Di-n-octyl phthalate	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
Fluoranthene	100000		1400 JD	7300 D	2400 JD	780 JVD	3800 JV	9400 D	120 U
Fluorene	100000		3800 UD	1100 JD	4400 UD	360 UJVD	290 JV	520 D	190 U
Hexachlorobenzene	1200		2300 UD	2300 UD	2600 UD	220 UD	110 U	230 UD	120 U
Hexachlorobutadiene	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
Hexachlorocyclopentadiene	--		11000 UD	11000 UD	12000 UD	1000 UD	540 U	1100 UD	560 U
Hexachloroethane	--		3000 UD	3100 UD	3500 UD	290 UD	150 U	310 UD	160 U
Indeno[1,2,3-cd]pyrene	500		3000 UD	1700 JD	3500 UD	160 JVD	1100 JV	2100 D	160 U
Isophorone	--		3400 UD	3400 UD	3900 UD	320 UD	170 U	350 UD	170 U
Naphthalene	100000		16000 D	3800 UD	4400 UD	360 UJVD	370 JV	380 JD	190 U
Nitrobenzene	--		3400 UD	3400 UD	3900 UD	320 UD	170 U	350 UD	170 U
n-Nitrosodi-n-propylamine	--		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
n-Nitrosodiphenylamine	--		3000 UD	3100 UD	3500 UD	290 UD	150 U	310 UD	160 U
Pentachlorophenol	6700		3000 UD	3100 UD	3500 UD	290 UD	150 U	310 UD	160 U

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC								
	Part 375	Sample Designation:	MW-6/6R DUP	MW-7/7R	MW-7/7R	MW-14	MW-14 DUP	MW-14	MW-14
	Restricted	Sample Date:	1/17/2014	12/19/2013	1/14/2014	12/19/2013	12/19/2013	1/17/2014	1/17/2014
	Residential	Sample Depth (ft bls):	15 - 17	0 - 2	2 - 4	0 - 2	0 - 2	7 - 9	10 - 12
Phenanthrene	100000		2200 JD	7200 D	2200 JD	810 JVD	3900 JV	7300 D	120 U
Phenol	100000		3800 UD	3800 UD	4400 UD	360 UD	190 U	390 UD	190 U
Pyrene	100000		1300 JD	6500 D	2200 JD	620 JVD	3500 JV	8200 D	120 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	MW-15	MW-15	MW-15	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17
	Part 375		MW-15	MW-15	MW-15	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17
	Restricted Residential		1/20/2014	1/20/2014	1/20/2014	1/7/2014	1/7/2014	1/7/2014	1/7/2014	1/2/2014	1/2/2014
			0 - 2	6 - 8	10 - 12	0 - 2	5 - 7	10 - 12	25 - 26.5	0 - 2	5 - 7
1,1'-Biphenyl	--		4400 UD	490 U	460 U	430 U	9200 UD	1500 JD	430 U	440 U	460 U
1,2,4,5-Tetrachlorobenzene	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
2,2'-oxybis (1-chloropropane)	--		2300 UD	260 U	240 U	230 U	4900 UD	2500 UD	230 U	230 U	240 U
2,4,5-Trichlorophenol	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
2,4,6-Trichlorophenol	--		1200 UD	130 U	120 U	110 U	2400 UD	1200 UD	110 U	120 U	120 U
2,4-Dichlorophenol	--		1800 UD	190 U	180 U	170 U	3600 UD	1800 UD	170 U	170 U	180 U
2,4-Dimethylphenol	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
2,4-Dinitrophenol	--		9400 UD	1000 U	970 U	920 U	19000 UD	9900 UD	910 U	920 U	960 U
2,4-Dinitrotoluene	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
2,6-Dinitrotoluene	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
2-Chloronaphthalene	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
2-Chlorophenol	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
2-Methylnaphthalene	--		2300 UD	260 U	240 U	230 U	1300 JD	6300 D	230 U	79 J	240 U
2-Methylphenol	100000		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
2-Nitroaniline	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
2-Nitrophenol	--		4200 UD	460 U	440 U	410 U	8800 UD	4400 UD	410 U	420 U	430 U
3&4-Methylphenol	100000		2800 UD	310 U	290 U	270 U	5800 UD	3000 UD	270 U	280 U	290 U
3,3'-Dichlorobenzidine	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
3-Nitroaniline	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
4,6-Dinitro-2-methylphenol	--		5100 UD	560 U	520 U	500 U	10000 UD	5400 UD	500 U	500 U	520 U
4-Bromophenyl phenyl ether	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
4-Chloro-3-methylphenol	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
4-Chloroaniline	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
4-Chlorophenyl phenyl ether	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
4-Nitroaniline	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
4-Nitrophenol	--		2700 UD	300 U	280 U	270 U	5700 UD	2900 UD	270 U	270 U	280 U
Acenaphthene	100000		2000 D	48 J	160 U	160	1400 JD	7300 D	150 U	200	87 J
Acenaphthylene	100000		6400 D	45 J	160 U	250	3200 UD	4200 D	150 U	160	160 U
Acetophenone	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
Anthracene	100000		11000 D	96 J	120 U	510	2000 JD	18000 D	110 U	420	160
Benzo[a]anthracene	1000		34000 D	1200	120 U	2000	3100 D	23000 D	110 U	1800	770

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC										
	Part 375	Sample Designation:	MW-15	MW-15	MW-15	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17
	Restricted	Sample Date:	1/20/2014	1/20/2014	1/20/2014	1/7/2014	1/7/2014	1/7/2014	1/7/2014	1/2/2014	1/2/2014
	Residential	Sample Depth (ft bls):	0 - 2	6 - 8	10 - 12	0 - 2	5 - 7	10 - 12	25 - 26.5	0 - 2	5 - 7
Benzo[a]pyrene	1000		35000 D	1400	160 U	2000	2800 JD	18000 D	150 U	1900	980
Benzo[b]fluoranthene	1000		44000 D	1700	120 U	2900	3300 D	20000 D	110 U	2300	1100
Benzo[g,h,i]perylene	100000		21000 D	990	160 U	1200	1900 JD	8000 D	150 U	1300	780
Benzo[k]fluoranthene	3900		17000 D	710	120 U	1000	1400 JD	8700 D	110 U	870	360
Benzoic Acid	--		6300 UD	700 U	650 U	620 U	13000 UD	6700 UD	620 U	620 U	650 U
Benzyl Alcohol	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
Bis(2-chloroethoxy)methane	--		2100 UD	230 U	220 U	200 U	4400 UD	2200 UD	200 U	210 U	220 U
Bis(2-chloroethyl) ether	--		1800 UD	190 U	180 U	170 U	3600 UD	1800 UD	170 U	170 U	180 U
Bis(2-ethylhexyl) phthalate	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
Butylbenzyl phthalate	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
Carbazole	--		2700 D	220 U	200 U	300	4000 UD	6000 D	190 U	180 J	75 J
Chrysene	3900		36000 D	1400	120 U	2300	3200 D	20000 D	110 U	2000	830
Dibenzo[a,h]anthracene	330		5300 D	330	120 U	320	2400 UD	2300 D	110 U	330	170
Dibenzofuran	59000		1300 JD	220 U	200 U	94 J	4000 UD	8300 D	190 U	110 J	200 U
Diethyl phthalate	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
Dimethyl phthalate	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
Di-n-butyl phthalate	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
Di-n-octyl phthalate	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
Fluoranthene	100000		72000 D	1600	120 U	4000	8700 D	48000 D	110 U	3100	1100
Fluorene	100000		1600 JD	220 U	200 U	130 J	1700 JD	10000 D	190 U	120 J	200 U
Hexachlorobenzene	1200		1200 UD	130 U	120 U	110 U	2400 UD	1200 UD	110 U	120 U	120 U
Hexachlorobutadiene	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
Hexachlorocyclopentadiene	--		5600 UD	620 U	580 U	550 U	12000 UD	5900 UD	550 U	550 U	580 U
Hexachloroethane	--		1600 UD	170 U	160 U	150 U	3200 UD	1600 UD	150 U	150 U	160 U
Indeno[1,2,3-cd]pyrene	500		22000 D	930	160 U	1300	2000 JD	9000 D	150 U	1400	770
Isophorone	--		1800 UD	190 U	180 U	170 U	3600 UD	1800 UD	170 U	170 U	180 U
Naphthalene	100000		1200 JD	79 J	200 U	110 J	4000 UD	15000 D	190 U	110 J	200 U
Nitrobenzene	--		1800 UD	190 U	180 U	170 U	3600 UD	1800 UD	170 U	170 U	180 U
n-Nitrosodi-n-propylamine	--		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
n-Nitrosodiphenylamine	--		1600 UD	170 U	160 U	150 U	3200 UD	1600 UD	150 U	150 U	160 U
Pentachlorophenol	6700		1600 UD	170 U	160 U	150 U	3200 UD	1600 UD	150 U	150 U	160 U

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC										
	Part 375	Sample Designation:	MW-15	MW-15	MW-15	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17
	Restricted	Sample Date:	1/20/2014	1/20/2014	1/20/2014	1/7/2014	1/7/2014	1/7/2014	1/7/2014	1/2/2014	1/2/2014
	Residential	Sample Depth (ft bls):	0 - 2	6 - 8	10 - 12	0 - 2	5 - 7	10 - 12	25 - 26.5	0 - 2	5 - 7
Phenanthrene	100000		35000 D	450	120 U	2300	10000 D	57000 D	110 U	2000	740
Phenol	100000		2000 UD	220 U	200 U	190 U	4000 UD	2000 UD	190 U	190 U	200 U
Pyrene	100000		73000 D	1700	120 U	3600	6900 D	39000 D	110 U	3100	1300

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:									
	Part 375	Sample Date:									
	Restricted Residential	Sample Depth (ft bls):									
		MW-17	MW-17	MW-18	MW-18	MW-18	MW-18	MW-19	MW-19	MW-20	
		1/2/2014	1/2/2014	1/6/2014	1/6/2014	1/6/2014	1/6/2014	1/14/2014	1/14/2014	12/19/2013	
		12 - 13	23 - 24	0 - 2	8 - 10	12 - 14	20 - 22	0 - 2	4 - 6	0 - 2	
1,1'-Biphenyl	--	500 U	430 U	420 U	460 U	530 U	430 U	890 UD	9900 UD	860 UD	
1,2,4,5-Tetrachlorobenzene	--	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
2,2'-oxybis (1-chloropropane)	--	260 U	220 U	220 U	240 U	280 U	230 U	470 UD	5200 UD	450 UD	
2,4,5-Trichlorophenol	--	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
2,4,6-Trichlorophenol	--	130 U	110 U	110 U	120 U	140 U	110 U	230 UD	2600 UD	220 UD	
2,4-Dichlorophenol	--	200 U	170 U	170 U	180 U	210 U	170 U	350 UD	3900 UD	340 UD	
2,4-Dimethylphenol	--	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
2,4-Dinitrophenol	--	1100 U	900 U	890 U	980 U	1100 U	910 U	1900 UD	21000 UD	1800 UD	
2,4-Dinitrotoluene	--	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
2,6-Dinitrotoluene	--	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
2-Chloronaphthalene	--	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
2-Chlorophenol	--	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
2-Methylnaphthalene	--	260 U	220 U	220 U	240 U	280 U	230 U	170 JD	7400 D	150 JD	
2-Methylphenol	100000	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
2-Nitroaniline	--	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
2-Nitrophenol	--	480 U	400 U	400 U	440 U	500 U	410 U	840 UD	9300 UD	810 UD	
3&4-Methylphenol	100000	320 U	270 U	270 U	290 U	330 U	270 U	560 UD	6200 UD	540 UD	
3,3'-Dichlorobenzidine	--	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
3-Nitroaniline	--	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
4,6-Dinitro-2-methylphenol	--	580 U	490 U	480 U	530 U	600 U	490 U	1000 UD	11000 UD	980 UD	
4-Bromophenyl phenyl ether	--	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
4-Chloro-3-methylphenol	--	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
4-Chloroaniline	--	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
4-Chlorophenyl phenyl ether	--	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
4-Nitroaniline	--	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
4-Nitrophenol	--	310 U	260 U	260 U	280 U	320 U	260 U	550 UD	6000 UD	530 UD	
Acenaphthene	100000	180 U	150 U	170	160 U	180 U	150 U	1100 D	3500 UD	330 D	
Acenaphthylene	100000	180 U	150 U	150 U	160 U	180 U	150 U	180 JD	3500 UD	710 D	
Acetophenone	--	220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
Anthracene	100000	130 U	110 U	470	120 U	140 U	110 U	1900 D	2600 UD	1300 D	
Benzo[a]anthracene	1000	130 U	110 U	840	120 U	140 U	110 U	5000 D	2600 UD	4400 D	

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

	NYSDEC											
	Part 375	Sample Designation:	MW-17	MW-17	MW-18	MW-18	MW-18	MW-18	MW-18	MW-19	MW-19	MW-20
Parameter	Restricted	Sample Date:	1/2/2014	1/2/2014	1/6/2014	1/6/2014	1/6/2014	1/6/2014	1/6/2014	1/14/2014	1/14/2014	12/19/2013
(Concentrations in µg/kg)	Residential	Sample Depth (ft bls):	12 - 13	23 - 24	0 - 2	8 - 10	12 - 14	20 - 22	0 - 2	4 - 6	0 - 2	
Benzo[a]pyrene	1000		180 U	150 U	630	160 U	180 U	150 U	4100 D	3500 UD	4200 D	
Benzo[b]fluoranthene	1000		130 U	110 U	720	120 U	140 U	110 U	5000 D	2600 UD	5900 D	
Benzo[g,h,i]perylene	100000		180 U	150 U	400	160 U	180 U	150 U	2400 D	3500 UD	2800 D	
Benzo[k]fluoranthene	3900		130 U	110 U	270	120 U	140 U	110 U	1600 D	2600 UD	2000 D	
Benzoic Acid	--		720 U	610 U	600 U	660 U	750 U	620 U	1300 UD	14000 UD	1200 UD	
Benzyl Alcohol	--		220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
Bis(2-chloroethoxy)methane	--		240 U	200 U	200 U	220 U	250 U	200 U	420 UD	4700 UD	410 UD	
Bis(2-chloroethyl) ether	--		200 U	170 U	170 U	180 U	210 U	170 U	350 UD	3900 UD	340 UD	
Bis(2-ethylhexyl) phthalate	--		220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
Butylbenzyl phthalate	--		220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
Carbazole	--		220 U	190 U	210	200 U	230 U	190 U	570 D	4300 UD	290 JD	
Chrysene	3900		130 U	110 U	770	120 U	140 U	110 U	5300 D	2600 UD	5000 D	
Dibenzo[a,h]anthracene	330		130 U	110 U	100 J	120 U	140 U	110 U	660 D	2600 UD	710 D	
Dibenzofuran	59000		220 U	190 U	100 J	200 U	230 U	190 U	490 D	4300 UD	230 JD	
Diethyl phthalate	--		220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
Dimethyl phthalate	--		220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
Di-n-butyl phthalate	--		220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
Di-n-octyl phthalate	--		220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
Fluoranthene	100000		130 U	110 U	1600	120 U	140 U	110 U	10000 D	1800 JD	8600 D	
Fluorene	100000		220 U	190 U	170 J	200 U	230 U	190 U	900 D	4300 UD	240 JD	
Hexachlorobenzene	1200		130 U	110 U	110 U	120 U	140 U	110 U	230 UD	2600 UD	220 UD	
Hexachlorobutadiene	--		220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
Hexachlorocyclopentadiene	--		630 U	540 U	530 U	580 U	670 U	540 U	1100 UD	12000 UD	1100 UD	
Hexachloroethane	--		180 U	150 U	150 U	160 U	180 U	150 U	310 UD	3500 UD	300 UD	
Indeno[1,2,3-cd]pyrene	500		180 U	150 U	330	160 U	180 U	150 U	2100 D	3500 UD	2700 D	
Isophorone	--		200 U	170 U	170 U	180 U	210 U	170 U	350 UD	3900 UD	340 UD	
Naphthalene	100000		220 U	190 U	190 U	200 U	230 U	190 U	360 JD	9600 D	410 D	
Nitrobenzene	--		200 U	170 U	170 U	180 U	210 U	170 U	350 UD	3900 UD	340 UD	
n-Nitrosodi-n-propylamine	--		220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD	
n-Nitrosodiphenylamine	--		180 U	150 U	150 U	160 U	180 U	150 U	310 UD	3500 UD	300 UD	
Pentachlorophenol	6700		180 U	150 U	150 U	160 U	180 U	150 U	310 UD	3500 UD	300 UD	

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC										
	Part 375	Sample Designation:	MW-17	MW-17	MW-18	MW-18	MW-18	MW-18	MW-19	MW-19	MW-20
	Restricted	Sample Date:	1/2/2014	1/2/2014	1/6/2014	1/6/2014	1/6/2014	1/6/2014	1/14/2014	1/14/2014	12/19/2013
	Residential	Sample Depth (ft bls):	12 - 13	23 - 24	0 - 2	8 - 10	12 - 14	20 - 22	0 - 2	4 - 6	0 - 2
Phenanthrene	100000		130 U	110 U	1600	120 U	140 U	110 U	9600 D	2800 D	4100 D
Phenol	100000		220 U	190 U	190 U	200 U	230 U	190 U	390 UD	4300 UD	380 UD
Pyrene	100000		130 U	110 U	1300	120 U	140 U	110 U	11000 D	1500 JD	8000 D

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:								
	Part 375	Sample Date:								
	Restricted	Sample Depth (ft bls):								
	Residential	MW-20	MW-20	MW-20 DUP	MW-20	MW-21	MW-21	MW-21	MW-21	MW-21
		1/15/2014	1/15/2014	1/15/2014	1/15/2014	1/6/2014	1/6/2014	1/6/2014	1/6/2014	1/6/2014
		7 - 9	12 - 14	12 - 14	18 - 19	0 - 2	5 - 7	7 - 8	18 - 20	
1,1'-Biphenyl	--	430 U	8900 UD	8900 UD	8500 UD	420 U	850 UD	460 U	420 U	
1,2,4,5-Tetrachlorobenzene	--	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
2,2'-oxybis (1-chloropropane)	--	220 U	4700 UD	4700 UD	4400 UD	220 U	450 UD	240 U	220 U	
2,4,5-Trichlorophenol	--	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
2,4,6-Trichlorophenol	--	110 U	2300 UD	2300 UD	2200 UD	110 U	220 UD	120 U	110 U	
2,4-Dichlorophenol	--	170 U	3500 UD	3500 UD	3300 UD	170 U	340 UD	180 U	160 U	
2,4-Dimethylphenol	--	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
2,4-Dinitrophenol	--	900 U	19000 UD	19000 UD	18000 UD	890 U	1800 UD	980 U	880 U	
2,4-Dinitrotoluene	--	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
2,6-Dinitrotoluene	--	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
2-Chloronaphthalene	--	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
2-Chlorophenol	--	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
2-Methylnaphthalene	--	220 U	4700 UD	4700 UD	4400 UD	220 U	450 UD	240 U	220 U	
2-Methylphenol	100000	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
2-Nitroaniline	--	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
2-Nitrophenol	--	400 U	8400 UD	8400 UD	8000 UD	400 U	800 UD	440 U	400 U	
3&4-Methylphenol	100000	270 U	5600 UD	5600 UD	5300 UD	270 U	540 UD	290 U	260 U	
3,3'-Dichlorobenzidine	--	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
3-Nitroaniline	--	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
4,6-Dinitro-2-methylphenol	--	480 U	10000 UD	10000 UD	9600 UD	480 U	970 UD	530 U	480 U	
4-Bromophenyl phenyl ether	--	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
4-Chloro-3-methylphenol	--	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
4-Chloroaniline	--	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
4-Chlorophenyl phenyl ether	--	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
4-Nitroaniline	--	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
4-Nitrophenol	--	260 U	5400 UD	5500 UD	5200 UD	260 U	520 UD	280 U	260 U	
Acenaphthene	100000	150 U	3100 UD	3100 UD	3000 UD	65 J	300 UD	160 U	150 U	
Acenaphthylene	100000	150 U	3100 UD	3100 UD	3000 UD	56 J	300 UD	160 U	150 U	
Acetophenone	--	190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U	
Anthracene	100000	110 U	2300 UD	2300 UD	2200 UD	150	87 JD	120 U	110 U	
Benzo[a]anthracene	1000	110 U	2300 UD	2300 UD	2200 UD	1300	430 D	120 U	110 U	

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	MW-20	MW-20	MW-20 DUP	MW-20	MW-21	MW-21	MW-21	MW-21
	Restricted	Sample Date:	1/15/2014	1/15/2014	1/15/2014	1/15/2014	1/6/2014	1/6/2014	1/6/2014	1/6/2014
	Residential	Sample Depth (ft bls):	7 - 9	12 - 14	12 - 14	18 - 19	0 - 2	5 - 7	7 - 8	18 - 20
Benzo[a]pyrene	1000		150 U	3100 UD	3100 UD	3000 UD	1800	640 D	160 U	150 U
Benzo[b]fluoranthene	1000		110 U	2300 UD	2300 UD	2200 UD	1800	690 D	120 U	110 U
Benzo[g,h,i]perylene	100000		150 U	3100 UD	3100 UD	3000 UD	1500	470 D	160 U	150 U
Benzo[k]fluoranthene	3900		110 U	2300 UD	2300 UD	2200 UD	560	290 D	120 U	110 U
Benzoic Acid	--		600 U	13000 UD	13000 UD	12000 UD	600 U	1200 UD	660 U	590 U
Benzyl Alcohol	--		190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U
Bis(2-chloroethoxy)methane	--		200 U	4200 UD	4200 UD	4000 UD	200 U	400 UD	220 U	200 U
Bis(2-chloroethyl) ether	--		170 U	3500 UD	3500 UD	3300 UD	170 U	340 UD	180 U	160 U
Bis(2-ethylhexyl) phthalate	--		190 U	3900 UD	3900 UD	3700 UD	390	270 JD	200 U	180 U
Butylbenzyl phthalate	--		190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U
Carbazole	--		190 U	3900 UD	3900 UD	3700 UD	66 J	370 UD	200 U	180 U
Chrysene	3900		110 U	2300 UD	2300 UD	2200 UD	1700	510 D	120 U	110 U
Dibenzo[a,h]anthracene	330		110 U	2300 UD	2300 UD	2200 UD	320	120 JD	120 U	110 U
Dibenzofuran	59000		190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U
Diethyl phthalate	--		190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U
Dimethyl phthalate	--		190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U
Di-n-butyl phthalate	--		190 U	3900 UD	3900 UD	3700 UD	64 J	370 UD	200 U	180 U
Di-n-octyl phthalate	--		190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U
Fluoranthene	100000		110 U	2300 UD	2300 UD	2200 UD	1400	690 D	120 U	110 U
Fluorene	100000		190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U
Hexachlorobenzene	1200		110 U	2300 UD	2300 UD	2200 UD	110 U	220 UD	120 U	110 U
Hexachlorobutadiene	--		190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U
Hexachlorocyclopentadiene	--		540 U	11000 UD	11000 UD	11000 UD	530 U	1100 UD	580 U	530 U
Hexachloroethane	--		150 U	3100 UD	3100 UD	3000 UD	150 U	300 UD	160 U	150 U
Indeno[1,2,3-cd]pyrene	500		150 U	3100 UD	3100 UD	3000 UD	1300	450 D	160 U	150 U
Isophorone	--		170 U	3500 UD	3500 UD	3300 UD	170 U	340 UD	180 U	160 U
Naphthalene	100000		190 U	3900 UD	3900 UD	3700 UD	80 J	370 UD	200 U	180 U
Nitrobenzene	--		170 U	3500 UD	3500 UD	3300 UD	170 U	340 UD	180 U	160 U
n-Nitrosodi-n-propylamine	--		190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U
n-Nitrosodiphenylamine	--		150 U	3100 UD	3100 UD	3000 UD	150 U	300 UD	160 U	150 U
Pentachlorophenol	6700		150 U	3100 UD	3100 UD	3000 UD	150 U	300 UD	160 U	150 U

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	MW-20	MW-20	MW-20 DUP	MW-20	MW-21	MW-21	MW-21	MW-21
	Restricted	Sample Date:	1/15/2014	1/15/2014	1/15/2014	1/15/2014	1/6/2014	1/6/2014	1/6/2014	1/6/2014
	Residential	Sample Depth (ft bls):	7 - 9	12 - 14	12 - 14	18 - 19	0 - 2	5 - 7	7 - 8	18 - 20
Phenanthrene	100000		110 U	2300 UD	2300 UD	2200 UD	670	450 D	120 U	110 U
Phenol	100000		190 U	3900 UD	3900 UD	3700 UD	180 U	370 UD	200 U	180 U
Pyrene	100000		110 U	2300 UD	2300 UD	2200 UD	2400	620 D	120 U	110 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation:	MW-22	MW-22	MW-22	MW-22	MW-23	MW-23	MW-23	MW-23
	Part 375	Sample Date:	12/19/2013	1/16/2014	1/16/2014	1/16/2014	12/31/2013	12/31/2013	12/31/2013	12/31/2013
	Restricted Residential	Sample Depth (ft bls):	0 - 2	7 - 9	12 - 14	18 - 20	0 - 2	5 - 7	10 - 12	18 - 19
1,1'-Biphenyl	--		830 UD	430 U	490 U	470 U	450 U	430 U	9300 UD	410 U
1,2,4,5-Tetrachlorobenzene	--		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
2,2'-oxybis (1-chloropropane)	--		440 UD	230 U	260 U	250 U	240 U	230 U	4900 UD	220 U
2,4,5-Trichlorophenol	--		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
2,4,6-Trichlorophenol	--		220 UD	110 U	130 U	120 U	120 U	110 U	2400 UD	110 U
2,4-Dichlorophenol	--		330 UD	170 U	190 U	180 U	180 U	170 U	3700 UD	160 U
2,4-Dimethylphenol	--		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
2,4-Dinitrophenol	--		1800 UD	910 U	1000 U	980 U	950 U	910 U	20000 UD	860 U
2,4-Dinitrotoluene	--		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
2,6-Dinitrotoluene	--		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
2-Chloronaphthalene	--		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
2-Chlorophenol	--		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
2-Methylnaphthalene	--		440 UD	230 U	260 U	250 U	88 J	230 U	1500 JD	220 U
2-Methylphenol	100000		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
2-Nitroaniline	--		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
2-Nitrophenol	--		790 UD	410 U	470 U	440 U	430 U	410 U	8800 UD	390 U
3&4-Methylphenol	100000		530 UD	270 U	310 U	300 U	280 U	270 U	5900 UD	260 U
3,3'-Dichlorobenzidine	--		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
3-Nitroaniline	--		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
4,6-Dinitro-2-methylphenol	--		950 UD	490 U	560 U	530 U	510 U	490 U	11000 UD	470 U
4-Bromophenyl phenyl ether	--		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
4-Chloro-3-methylphenol	--		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
4-Chloroaniline	--		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
4-Chlorophenyl phenyl ether	--		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
4-Nitroaniline	--		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
4-Nitrophenol	--		510 UD	260 U	300 U	290 U	280 U	260 U	5700 UD	250 U
Acenaphthene	100000		200 JD	150 U	170 U	160 U	110 J	96 J	3300 UD	140 U
Acenaphthylene	100000		280 JD	150 U	170 U	160 U	43 J	42 J	3300 UD	140 U
Acetophenone	--		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
Anthracene	100000		610 D	110 U	130 U	120 U	320	230	2400 UD	110 U
Benzo[a]anthracene	1000		1800 D	110 U	130 U	120 U	860	660	2400 UD	110 U

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	MW-22	MW-22	MW-22	MW-22	MW-23	MW-23	MW-23	MW-23
	Restricted	Sample Date:	12/19/2013	1/16/2014	1/16/2014	1/16/2014	12/31/2013	12/31/2013	12/31/2013	12/31/2013
	Residential	Sample Depth (ft bls):	0 - 2	7 - 9	12 - 14	18 - 20	0 - 2	5 - 7	10 - 12	18 - 19
Benzo[a]pyrene	1000	1800 D	150 U	170 U	160 U	730	660	3300 UD	140 U	
Benzo[b]fluoranthene	1000	2000 D	110 U	130 U	120 U	1100	790	2400 UD	110 U	
Benzo[g,h,i]perylene	100000	1300 D	150 U	170 U	160 U	480	380	3300 UD	140 U	
Benzo[k]fluoranthene	3900	910 D	110 U	130 U	120 U	400	310	2400 UD	110 U	
Benzoic Acid	--	1200 UD	610 U	700 U	660 U	640 U	610 U	13000 UD	580 U	
Benzyl Alcohol	--	370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U	
Bis(2-chloroethoxy)methane	--	400 UD	200 U	230 U	220 U	210 U	200 U	4400 UD	190 U	
Bis(2-chloroethyl) ether	--	330 UD	170 U	190 U	180 U	180 U	170 U	3700 UD	160 U	
Bis(2-ethylhexyl) phthalate	--	370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U	
Butylbenzyl phthalate	--	370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U	
Carbazole	--	240 JD	190 U	220 U	200 U	130 J	78 J	4100 UD	180 U	
Chrysene	3900	2000 D	110 U	130 U	120 U	1000	720	2400 UD	110 U	
Dibenzo[a,h]anthracene	330	300 D	110 U	130 U	120 U	140	100 J	2400 UD	110 U	
Dibenzofuran	59000	160 JD	190 U	220 U	200 U	98 J	190 U	4100 UD	180 U	
Diethyl phthalate	--	370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U	
Dimethyl phthalate	--	370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U	
Di-n-butyl phthalate	--	370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U	
Di-n-octyl phthalate	--	370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U	
Fluoranthene	100000	3800 D	110 U	130 U	120 U	1600	1300	2400 UD	110 U	
Fluorene	100000	190 JD	190 U	220 U	200 U	120 J	78 J	4100 UD	180 U	
Hexachlorobenzene	1200	220 UD	110 U	130 U	120 U	120 U	110 U	2400 UD	110 U	
Hexachlorobutadiene	--	370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U	
Hexachlorocyclopentadiene	--	1000 UD	540 U	620 U	590 U	570 U	540 U	12000 UD	520 U	
Hexachloroethane	--	290 UD	150 U	170 U	160 U	160 U	150 U	3300 UD	140 U	
Indeno[1,2,3-cd]pyrene	500	1100 D	150 U	170 U	70 J	490	380	3300 UD	140 U	
Isophorone	--	330 UD	170 U	190 U	180 U	180 U	170 U	3700 UD	160 U	
Naphthalene	100000	180 JD	190 U	220 U	200 U	81 J	85 J	6200 D	180 U	
Nitrobenzene	--	330 UD	170 U	190 U	180 U	180 U	170 U	3700 UD	160 U	
n-Nitrosodi-n-propylamine	--	370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U	
n-Nitrosodiphenylamine	--	290 UD	150 U	170 U	160 U	160 U	150 U	3300 UD	140 U	
Pentachlorophenol	6700	290 UD	150 U	170 U	160 U	160 U	150 U	3300 UD	140 U	

Table 4. Summary of Semivolatile Organic Compounds in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	MW-22	MW-22	MW-22	MW-22	MW-23	MW-23	MW-23	MW-23
	Restricted	Sample Date:	12/19/2013	1/16/2014	1/16/2014	1/16/2014	12/31/2013	12/31/2013	12/31/2013	12/31/2013
	Residential	Sample Depth (ft bls):	0 - 2	7 - 9	12 - 14	18 - 20	0 - 2	5 - 7	10 - 12	18 - 19
Phenanthrene	100000		2600 D	110 U	130 U	120 U	1500	1200	2400 UD	110 U
Phenol	100000		370 UD	190 U	220 U	200 U	200 U	190 U	4100 UD	180 U
Pyrene	100000		3600 D	110 U	130 U	120 U	1300	1200	2400 UD	110 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 5. Summary of Metals in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Restricted Residential	Sample Designation:	B-5	B-5	B-5	B-5	B-6	B-6	B-6	B-6	B-7
		Sample Date:	12/31/2013	12/31/2013	12/31/2013	12/31/2013	12/31/2013	1/17/2014	1/17/2014	1/17/2014	12/30/2013
		Sample Depth (ft bls):	0 - 2	3 - 5	10 - 12	15 - 16	0 - 2	7 - 9	12 - 14	16 - 18	0 - 2
Aluminum	--		4300	4400	9200	7000	7100	4200	6300	7700	7100
Antimony	--		4.8 U	3.2 J	4.7 U	4.2 U	4.4 U	4.4 U	4.6 U	4.4 U	4.7 U
Arsenic	16		29	15	2.8	1.9	3	11	5.1	5.4	5.2
Barium	400		110	100	11	77	140	82	38	77	90
Beryllium	72		0.55	0.5 J	0.38 J	0.25 J	0.26 J	0.2 J	0.11 J	0.16 J	0.33 J
Cadmium	4.3		0.96 U	1.1	0.95 U	0.84 U	0.88 U	0.88 U	0.92 U	0.88 U	0.56 J
Calcium	--		30000 JV	3600	400	800	9300	5400	1000	7700	6400
Chromium	180		9	25	13	15	18	8.8	14	28	14
Cobalt	--		8 JV	6.2	4.6	5.7	7.3	2.9	4.5	5.4	5.3
Copper	270		30	50	13	15	25	19	11	31	40
Iron	--		14000 JV	12000	13000	15000	15000	16000	17000	19000	14000
Lead	400		23 JV	200	8.3	4.2	66	87	4.9	27	83
Magnesium	--		4100 JV	1700	2900	2900	3700	1800	2700	3600	2500
Manganese	2000		330 JV	120	100	250	290	120	210	220	200
Mercury	0.81		0.16	0.29	0.09 U	0.08 U	0.27	0.1	0.09 U	0.02 J	0.07 J
Nickel	310		17 JV	16	14	10	14	7.9	11	14	12
Potassium	--		450 JV	440	670	2900	2600	890	1300	2200	900
Selenium	180		1.9 U	0.72 J	1.9 U	1.7 U	1.8 U	1.1 J	1.8 U	1.8 U	1.9 U
Silver	180		0.96 U	1 U	0.95 U	0.84 U	0.88 U	0.88 U	0.28 J	0.2 J	0.94 U
Sodium	--		610	640	250	120 J	520	530	230	430	720
Thallium	--		1.9 UJV	2.1 U	1.9 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U
Vanadium	--		14	17	16	23	30	12	15	28	16
Zinc	10000		100	850	110	47	140	37	33	50	760

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 5. Summary of Metals in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Restricted Residential	Sample Designation:	B-7	B-7	B-8	B-8	B-8	B-9	B-9	B-9
		Sample Date:	12/30/2013	12/30/2013	12/30/2013	12/30/2013	12/30/2013	12/16/2013	12/16/2013	12/16/2013
		Sample Depth (ft bls):	5 - 7	14 - 15	0 - 2	5 - 7	9 - 11	0 - 2	5 - 7	7 - 9
Aluminum	--		8000	12000	6700	7900	6300	6000	7500	8000
Antimony	--		3.9 J	4.3 U	4.4 U	4.5 U	5 U	4.3 U	4.4 U	4.8 U
Arsenic	16		4.8	2.5	3.9	4	2.8	2.8	4.6	4.7
Barium	400		530	88	530	110	41	62	72	67
Beryllium	72		0.33 J	0.32 J	0.31 J	0.33 J	0.25 J	0.24 J	0.29 J	0.32 J
Cadmium	4.3		0.27 J	0.86 U	0.89 U	0.9 U	0.99 U	0.86 U	0.88 U	0.89 J
Calcium	--		5900	2000	2100	17000	2700	17000	9800	2000
Chromium	180		57	49	13	14	11	11	14	20
Cobalt	--		16	9.8	4.9	5	4.4	3.9	4.9	5.4
Copper	270		70	24	24	24	14	14	23	30
Iron	--		18000	20000	12000	13000	13000	10000	13000	15000
Lead	400		950	9.7	85	59	19	37	56	58
Magnesium	--		2800	4600	2400	2600	2400	2400	3000	2400
Manganese	2000		210	380	87	150	110	140	240	140
Mercury	0.81		0.1	0.07 U	0.13	0.02 J	0.09 U	0.09 U	0.03 J	0.06 J
Nickel	310		18	25	12	13	12	9.3	12	14
Potassium	--		790	3800	750	930	550	980	1000	790
Selenium	180		1.9 U	1.7 U	1.8 U	1.8 U	2 U	1.7 U	1.8 U	1.9 U
Silver	180		0.97 U	0.86 U	0.89 U	0.9 U	0.99 U	0.28 J	0.88 U	0.96 U
Sodium	--		620	120 J	190	330	180 J	560	850	600
Thallium	--		1.9 U	1.7 U	1.8 U	1.8 U	2 U	1.7 U	1.8 U	1.9 U
Vanadium	--		17	33	17	16	13	12	14	17
Zinc	10000		860	49	120	110	59	61	110	110

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 5. Summary of Metals in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

	NYSDEC										
	Part 375	Sample Designation:	B-9	B-10	B-10	B-10	B-10	B-11	B-11	B-11	B-11
Parameter	Restricted	Sample Date:	12/16/2013	12/20/2013	12/20/2013	12/20/2013	12/20/2013	1/2/2014	1/6/2014	1/6/2014	1/6/2014
(Concentrations in mg/kg)	Residential	Sample Depth (ft bls):	19 - 20	0 - 2	5 - 7	10 - 12	17.5 - 18	0 - 2	8 - 10	11 - 13	15 - 17
Aluminum	--		9200	6900	5500	8400	5200	6600	7400	7800	5700
Antimony	--		4.4 U	4.6 U	4.7 U	5 U	4.3 U	1.2 J	5.2 U	4.8 U	4.4 U
Arsenic	16		1.9	4.8	5.2	3.8	2.8	4.8	6.9	1.1	3.3
Barium	400		92	70	56	20	63	170	150	17	42
Beryllium	72		0.43 J	0.24 J	0.23 J	0.22 J	0.33 J	3.8	3.4	0.28 J	0.26 J
Cadmium	4.3		0.8 J	0.5 J	0.37 J	0.32 J	0.51 J	0.89 U	1 U	0.96 U	0.89 U
Calcium	--		1800	15000	31000	2000	1100	6800	19000	690	770
Chromium	180		30	15	11	14	14	45	47	11	11
Cobalt	--		7.2	5.1	3.9	4.4	5.6	23	23	3.8	6.5
Copper	270		47	30	17	11	18	480	390	7.3	17
Iron	--		22000	14000	9700	12000	17000	25000	26000	10000	16000
Lead	400		5.2	74	61	14	5.4	790	550	4.5 J	5.8
Magnesium	--		3500	3500	3200	2400	2300	2400	2900	2100	2000
Manganese	2000		270	170	180	140	170	270	340	67	290
Mercury	0.81		0.08 U	0.09	0.09 U	0.1 U	0.07 U	0.37	0.51	0.09 U	0.08 U
Nickel	310		15	14	8.9	12	10	56	54	10	13
Potassium	--		4400	600	580	540	1600	860	940	500	690
Selenium	180		1.8 U	1.8 U	1.9 U	2 U	1.7 U	1.8 U	2.1 U	1.9 U	1.8 U
Silver	180		0.88 U	0.91 U	0.93 U	1 U	0.86 U	0.18 J	1 U	0.96 U	0.89 U
Sodium	--		120 J	100 J	500	140 J	71 J	500	730	150 J	80 J
Thallium	--		1.8 U	1.8 U	1.9 U	2 U	1.7 U	1.8 U	2.1 U	1.9 U	1.8 U
Vanadium	--		40	26	14	17	22	17	20	13	14
Zinc	10000		67	120	95	35	51	4100	4400	25	36

J - Estimated value

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DUP - Duplicate sample

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

V - Value altered or qualifier added during data validation

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Table 5. Summary of Metals in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

	NYSDEC										
	Part 375	Sample Designation:	B-12	B-12	B-12	B-12	B-13	B-13	B-13	B-13	B-14
Parameter	Restricted	Sample Date:	12/19/2013	1/15/2014	1/15/2014	1/15/2014	12/19/2013	1/15/2014	1/15/2014	1/15/2014	12/19/2013
(Concentrations in mg/kg)	Residential	Sample Depth (ft bls):	0 - 2	7 - 9	12 - 14	21 - 22.5	0 - 2	7 - 9	10 - 12	16 - 18	0 - 2
Aluminum	--		3400	3500	5000	14000	3400	7500	5600	6600	6200
Antimony	--		4 U	0.98 J	4.6 U	4.6 U	4.3 U	4.5 U	4.9 U	4.5 U	1.2 J
Arsenic	16		1.6	4.6	2.3	0.61 J	18	3.6	2.9	2.4	16
Barium	400		30	130	81	140	160	30	27	48 JV	280
Beryllium	72		0.18 J	0.41	0.29 J	0.17 J	0.33 J	0.38 J	0.26 J	0.33 J	0.42 J
Cadmium	4.3		0.23 J	0.81 U	0.92 U	0.92 U	1.1	0.9 U	0.98 U	0.9 UJV	1.1
Calcium	--		3500	14000	2000	930	9200	1200	690	770 JV	11000
Chromium	180		7.2	16	12	13	8.9	11	8.9	16 JV	14
Cobalt	--		3.3	3.5	5.6	20	5.3	5.7	4.6	7	5.1
Copper	270		9.9	24	13	71	61	13	9.8	16 JV	79
Iron	--		7700	12000	12000	180000	15000	16000	13000	15000	13000
Lead	400		19	67	35	6.1	360	18	7.2	5	490
Magnesium	--		1700	1500	2100	6000	940	2900	2400	2600	2000
Manganese	2000		220	180	160	2500	170	360	210	410	320
Mercury	0.81		0.08 U	0.1	0.05 J	0.08 U	2.5	0.09 U	0.09 U	0.08 U	0.81
Nickel	310		7.2	8.4	11	10	11	15	10	13	13
Potassium	--		620	640	680	10000	550	670	590	1200 JV	840
Selenium	180		1.6 U	1.6 U	1.8 U	1.8 U	2.1	1.8 U	2 U	1.8 U	1.3 J
Silver	180		0.81 U	0.81 UV	0.92 U	0.92 UV	0.86 U	0.9 U	0.98 U	0.9 UJV	0.88 U
Sodium	--		160	180	59 J	79 J	330	48 J	34 J	54 J	440
Thallium	--		1.6 U	1.6 U	1.8 U	1.8 U	1.7 U	1.8 U	2 U	1.8 UJV	1.8 U
Vanadium	--		9.3	11	11	120	13	14	11	21 JV	16
Zinc	10000		26	150	130	220	410	38	30	31	490

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

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of the calibration range in the original sample.

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UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 5. Summary of Metals in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

	NYSDEC										
	Part 375	Sample Designation:	B-14	B-14	B-14	B-15	B-15	B-15	B-15	B-16	B-16
Parameter	Restricted	Sample Date:	1/15/2014	1/15/2014	1/15/2014	12/31/2013	1/10/2014	1/10/2014	1/10/2014	12/19/2013	1/16/2014
(Concentrations in mg/kg)	Residential	Sample Depth (ft bls):	7 - 9	10 - 12	17 - 18.5	0 - 2	5 - 7	7 - 9	10 - 11	0 - 2	7 - 9
Aluminum	--		7500	7400	6500	7100	7200	8000	7600	3300	8000
Antimony	--		4.4 U	4.8 U	4.5 U	4.5 U	4.6 U	2 J	1.2 J	4 U	4.3 U
Arsenic	16		3.3	3.2	3.9	4.7	6.6 JV	4.8	4.9	3.4	4.1
Barium	400		35	17	50	99	64	76	64	110	45
Beryllium	72		0.31 J	0.35 J	0.3 J	0.33 J	0.38 J	0.35 J	0.32 J	0.24 J	0.34 J
Cadmium	4.3		0.88 U	0.96 U	0.89 U	0.91 U	0.92 U	0.94 U	0.98 U	0.34 J	0.87 U
Calcium	--		850	500	1100	7100	2000	7800	8200	3800	880
Chromium	180		12	9.7	15	12	14	16	15	8	11
Cobalt	--		5.4	5.2	7.2	4.7	7 JV	6.5	5.2	3.6	4.5
Copper	270		12	10	21	33	24 JV	19	25	18	13
Iron	--		14000	14000	17000	13000	17000	20000	13000	8300	15000
Lead	400		53	5.2	5.1	140	44	52	79	41	40
Magnesium	--		2200	2600	2400	2200	2600	2500	2600	1800	2000
Manganese	2000		240	290	250	180	180 JV	320	110	230	250
Mercury	0.81		0.3	0.08 U	0.08 U	0.13	0.04 J	0.02 J	0.06 J	0.07 U	0.12
Nickel	310		11	12	14	12	14	15	13	9.3	11
Potassium	--		500	620	1300	820	980 JV	720	660	520	520
Selenium	180		1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	2 U	0.38 J	1.7 U
Silver	180		0.88 UV	0.96 U	0.89 U	0.91 U	0.92 U	0.94 U	0.98 U	0.81 U	0.87 U
Sodium	--		56 J	43 J	100 J	200	71 J	72 J	72 J	110 J	120 J
Thallium	--		1.8 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U	2 U	1.6 U	1.7 U
Vanadium	--		15	12	35	15	21 JV	18	15	12	14
Zinc	10000		50	29	35	150	150 JV	120	110	58	100

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 5. Summary of Metals in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in mg/kg)	NYSDEC										
	Part 375	Sample Designation:	B-16	B-16	B-17	B-17	B-18	B-18	B-18	B-19	B-19
	Restricted	Sample Date:	1/16/2014	1/16/2014	1/20/2014	1/20/2014	12/18/2013	12/18/2013	12/18/2013	12/17/2013	12/17/2013
	Residential	Sample Depth (ft bls):	10 - 12	18 - 20	0 - 2	7 - 9	0 - 2	6 - 8	8 - 10	0 - 2	6 - 8
Aluminum	--		9200	5900	7100	5700	7400	6400	5800	6100	6200
Antimony	--		4.6 U	4.5 U	4.2 U	4.4 U	4.2 U	4.3 U	4.6 U	1.1 J	4.2 U
Arsenic	16		4	2.6	6	3.3	3.7	2.3	1.8	5.1	2.6
Barium	400		18	52	220	88	54	39	33	89	44
Beryllium	72		0.39 J	0.3 J	0.31 J	0.29 J	0.28 J	0.27 J	0.26 J	0.32 J	0.18 J
Cadmium	4.3		0.92 U	0.91 U	0.52 J	0.89 U	3.9	0.47 J	0.38 J	0.22 J	0.84 U
Calcium	--		690	1100	27000	11000	3500	4200	2500	20000	2000
Chromium	180		12	15	16	12	17	13	11	12	13
Cobalt	--		6.1	6.7	5.9	6.6	6.1	4.6	4.2	5.4	4.3
Copper	270		12	18	480	94	1700	110	19	140	19
Iron	--		17000	16000	11000	14000	27000	11000	10000	10000	19000
Lead	400		6.5	3.7 J	180	57	280	36	8.8	120	31
Magnesium	--		3100	2300	2400	2300	2000	2700	2800	2200	2300
Manganese	2000		380	500	220	210	410	240	180	240	190
Mercury	0.81		0.1 U	0.08 U	0.07 J	0.05 J	0.02 J	0.09 U	0.09 U	0.13 JV	0.08 U
Nickel	310		14	11	14	18	220	14	11	13	9.7
Potassium	--		740	1800	1500	1100	1100	830	650	1200	810
Selenium	180		1.8 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U
Silver	180		0.92 U	0.91 U	0.36 J	0.28 J	0.83 U	0.86 U	0.92 U	0.41 J	0.84 U
Sodium	--		44 J	80 J	830	420	140 J	200	200	1300	140 J
Thallium	--		1.8 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U
Vanadium	--		14	21	16	15	19	18	16	17	19
Zinc	10000		35	34	610	150	2000	89	31	450	36

J - Estimated value

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DUP - Duplicate sample

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

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Restricted Residential Standards

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Table 5. Summary of Metals in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in mg/kg)	NYSDEC	Sample Designation:	B-19	B-20	B-20	B-20	B-21	B-21	B-21	B-22	B-22 DUP
	Part 375	Sample Date:	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	12/17/2013	1/13/2014	1/13/2014
	Restricted	Sample Depth (ft bls):	8 - 10	0 - 2	5 - 7	7 - 8	0 - 2	5 - 7	7 - 8	0 - 2	0 - 2
	Residential										
Aluminum	--		4900	7300	5200	5300	6600	7000	7300	7000	7100
Antimony	--		4.4 U	4.4 U	4.1 U	4.3 U	1.9 J	4.6 U	4.8 U	4.8 U	4.8 U
Arsenic	16		2.1	3.2	2.4	3.3	5.1	4.2	4.6	5	7
Barium	400		50	86	41	120	110	43	82	70	89
Beryllium	72		0.18 J	0.27 J	0.19 J	0.22 J	0.28 J	0.3 J	0.3 J	0.33 J	0.32 J
Cadmium	4.3		0.88 U	0.96	1	0.86 U	0.44 J	0.91 U	0.96 U	0.95 U	0.96 U
Calcium	--		7200	13000	13000	16000	27000	2900	20000	7400	11000
Chromium	180		10	14	11	11	11	12	11	13	14
Cobalt	--		13	5	4.4	4.6	4	4.7	6.4	5.3	5.5
Copper	270		75	54	110	87	34	36	29	33 JV	99 JV
Iron	--		11000	12000	11000	39000	10000	14000	13000	12000	13000
Lead	400		47	77	35	20	270	26	35	70	120
Magnesium	--		5900	2400	7800	5300	3600	2400	3100	2200	2300
Manganese	2000		180	270	220	430	200	130	220	140	170
Mercury	0.81		0.08 U	0.04 J	0.07 U	0.08 U	0.16	0.09 U	3.2	0.04 JV	0.13 JV
Nickel	310		11	11	11	10	8.5	12	11	12	13
Potassium	--		930	960	960	1100	1000	720	660	800	780
Selenium	180		1.8 U	1.7 U	1.6 U	1.7 U	1.7 U	1.8 U	1.9 U	1.9 U	1.9 U
Silver	180		0.88 U	0.87 U	0.82 U	0.86 U	0.22 J	0.91 U	0.96 U	0.95 U	0.96 U
Sodium	--		220	250	110 J	250	850	160 J	200	94 J	100 J
Thallium	--		1.8 U	1.7 U	1.6 U	1.7 U	1.7 U	1.8 U	1.9 U	1.9 U	1.9 U
Vanadium	--		16	18	15	15	16	13	13	16	18
Zinc	10000		62	560	340	130	390	120	120	110	120

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Table 5. Summary of Metals in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

	NYSDEC										
	Part 375	Sample Designation:	B-22	B-23	B-23	B-24	B-24	B-25	B-25	B-26	B-26
Parameter	Restricted	Sample Date:	1/13/2014	1/13/2014	1/13/2014	1/14/2014	1/14/2014	1/14/2014	1/14/2014	1/14/2014	1/14/2014
(Concentrations in mg/kg)	Residential	Sample Depth (ft bls):	4 - 6	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	4 - 6
Aluminum	--		7300	5700	6800	4000	7300	7300	6800	7200	7200
Antimony	--		5.1 U	1.7 J	5.1 U	4.7 U	4.6 U	1 J	5 U	4.7 U	4.8 U
Arsenic	16		3.2	6.7	5.2	5.8	2.5	3.7	3.4	4.3	3.9
Barium	400		29	69	38	40	16	57	66	68	53
Beryllium	72		0.28 J	0.28 J	0.28 J	0.22 J	0.26 J	0.34 J	0.33 J	0.37 J	0.33 J
Cadmium	4.3		1 U	1.1 U	1 U	0.94 U	0.91 U	0.92 U	1 U	0.94 U	0.97 U
Calcium	--		1700	6600	2100	25000	580	12000	2700	2400	5800
Chromium	180		11	11	12	7.2	11	12	11	13	12
Cobalt	--		3.9	8.1	5.4	3	3	5.4	4.9	5.4	4.9
Copper	270		10	42	24	22	7	22	23	20	22
Iron	--		11000	14000	11000	6500	12000	15000	13000	14000	13000
Lead	400		24	86	42	46	4.4 J	56	46	36	36
Magnesium	--		2100	2200	2200	1800	2100	2400	2300	2300	2300
Manganese	2000		90	140	92	75	72	290	130	180	130
Mercury	0.81		0.1 U	0.25	0.11	0.08 U	0.09 U	0.08 U	0.1 U	0.06 J	0.05 J
Nickel	310		10	12	12	7.7	9.1	12	12	12	12
Potassium	--		550	560	540	580	540	840	650	780	720
Selenium	180		2 U	2.2 U	2 U	0.3 J	1.8 U	1.8 U	2 U	1.9 U	1.9 U
Silver	180		1 U	1.1 U	1 U	0.94 U	0.91 U	0.92 U	1 UV	0.94 U	0.97 U
Sodium	--		120 J	180 J	210	360	260	150 J	140 J	320	260
Thallium	--		2 U	2.2 U	2 U	1.9 U	1.8 U	1.8 U	2 U	1.9 U	1.9 U
Vanadium	--		14	19	21	12	16	15	13	16	14
Zinc	10000		47	150	100	65	34	100	97	88	110

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Table 5. Summary of Metals in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in mg/kg)	NYSDEC	Sample Designation:								
	Part 375	Sample Date:								
	Restricted	Sample Depth (ft bls):								
	Residential	0 - 2	4 - 6	0 - 2	3 - 5	6 - 8	24 - 25	0 - 2	0 - 2	
Aluminum	--	9100	7500	3000	3800	6500	4400	6800	7400	
Antimony	--	5 U	5.1 U	3 J	2 J	4.8 U	4.9 U	4.3 U	4.2 U	
Arsenic	16	4.7	4.4	7.3 JV	8.9	2.5	1.1	4.3	3.6	
Barium	400	58	52	200	160	18	38	130	160	
Beryllium	72	0.4 J	0.34 J	0.11 J	0.22 J	0.15 J	0.2 J	0.29 J	0.29 J	
Cadmium	4.3	1 U	1 U	1.9 JV	1.1 U	0.96 U	0.98 U	0.85 U	0.84 U	
Calcium	--	2400	3100	110000	11000	940	740	18000	28000	
Chromium	180	14	13	17	11	12	11	13	12	
Cobalt	--	6	4.9	12 JV	8.3	3.2	4.2	4.9	4.2	
Copper	270	27	18	38 JV	170	8.7	17	25	20	
Iron	--	14000	13000	22000 JV	18000	13000	12000	13000	11000	
Lead	400	56	48	340	330	12	4.1 J	120	91	
Magnesium	--	2600	2300	12000	2100	2500	2200	2400	2700	
Manganese	2000	120	120	200	150	94	180	140	140	
Mercury	0.81	0.04 J	0.05 J	5.2	0.31	0.02 J	0.1 U	0.06 J	0.04 J	
Nickel	310	14	12	11 JV	18	11	10	11	9.4	
Potassium	--	920	670	400	460	760	1300	860	870	
Selenium	180	2 U	2 U	0.34 J	2.2 U	1.9 U	2 U	1.7 U	1.7 U	
Silver	180	1 UV	1 UV	0.88 U	1.1 U	0.96 U	0.98 U	0.85 U	0.84 U	
Sodium	--	340	240	390	670	510	320	200	300	
Thallium	--	2 U	2 U	1.8 U	2.2 U	1.9 U	2 U	1.7 U	1.7 U	
Vanadium	--	18	16	11	13	14	17	12	12	
Zinc	10000	86	76	540	480	69	40	180	120	

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DUP - Duplicate sample

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

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Table 5. Summary of Metals in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in mg/kg)	NYSDEC	Sample Designation: MW-2/2R MW-2/2R MW-2/2R MW-6/6R MW-6/6R MW-6/6R MW-6/6R MW-6/6R MW-6/6R DUP								
	Part 375	Sample Date: 12/16/2013 12/16/2013 12/16/2013 12/30/2013 1/17/2014 1/17/2014 1/17/2014 1/17/2014 1/17/2014								
	Restricted	Sample Depth (ft bls): 6 - 8 14 - 15 23 - 24 0 - 2 9 - 11 11 - 12 15 - 17 15 - 17								
	Residential									
Aluminum	--	7800	8300	6100	7600	5800	6800	7200	7000	
Antimony	--	4.5 U	5 U	4.4 U	4.1 U	0.85 J	4.6 U	4.7 U	4.5 U	
Arsenic	16	5.2	2.3	1.7	3.4	14	12	12	10	
Barium	400	120	34	61	110	140	35	63	82	
Beryllium	72	0.33 J	0.25 J	0.34 J	0.28 J	0.3 J	0.22 J	0.19 J	0.18 J	
Cadmium	4.3	0.89 U	1 U	0.88 U	0.83 U	0.87 U	0.91 U	0.94 U	0.9 U	
Calcium	--	16000	470	2400	16000	31000	1400	2500	4100	
Chromium	180	26	15	15	20	14	11	16	16	
Cobalt	--	5.6	5.8	7.1	6.4	4.3	3.6	5.6	5.6	
Copper	270	28	14	18	42	60	19	16 JV	27 JV	
Iron	--	16000	13000	16000	19000	18000	24000	24000	23000	
Lead	400	99	5.5	4.1 J	63	140	7	11 JV	29 JV	
Magnesium	--	3300	2900	2900	3800	3200	2400	2800	2600	
Manganese	2000	190	120	520	300	200	120	440	590	
Mercury	0.81	0.05 J	0.1 U	0.1 U	0.13	0.21	0.09 U	0.08 U	0.1 U	
Nickel	310	13	15	12	17	11	10	12	12	
Potassium	--	890	640	2000	2000	920	750	1200	1500	
Selenium	180	1.8 U	2 U	1.8 U	1.6 U	0.66 J	1.8 U	1.9 U	1.8 U	
Silver	180	0.89 U	1 U	0.88 U	0.83 U	0.87 U	0.91 U	0.29 J	0.3 J	
Sodium	--	440	190 J	140 J	320	500	220	350	250	
Thallium	--	1.8 U	2 U	1.8 U	1.6 U	1.7 U	1.8 U	1.9 U	1.8 U	
Vanadium	--	26	15	20	30	17	15	19	22	
Zinc	10000	150	33	32	240	160	38	43 JV	76 JV	

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Table 5. Summary of Metals in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in mg/kg)	NYSDEC	Sample Designation: MW-7/7R MW-7/7R MW-14 MW-14 DUP MW-14 MW-14 MW-15 MW-15 MW-15									
	Part 375	Sample Date: 12/19/2013 1/14/2014 12/19/2013 12/19/2013 1/17/2014 1/17/2014 1/20/2014 1/20/2014 1/20/2014									
	Restricted	Sample Depth (ft bls): 0 - 2 2 - 4 0 - 2 0 - 2 7 - 9 10 - 12 0 - 2 6 - 8 10 - 12									
	Residential										
Aluminum	--	6300	6600	6600	5400	5800	7500	7100	9400	7600	
Antimony	--	4.4 U	5.1 U	4.2 U	4.4 U	1.5 J	4.6 U	4.5 U	1 J	4.6 U	
Arsenic	16	4.8	7	3.3	6.6	8.7	5.9	4.7	8.5	4.3	
Barium	400	67	220	55	190	430	99	99	110	55	
Beryllium	72	0.28 J	0.34 J	0.29 J	0.25 J	0.34 J	0.3 J	0.33 J	0.48 J	0.24 J	
Cadmium	4.3	0.43 J	1 U	0.45 J	0.6 J	0.17 J	0.92 U	0.91 U	1 U	0.93 U	
Calcium	--	19000	20000	12000	11000	9600	840	7100	4200	810	
Chromium	180	15	17	14	12	12	5	12	18	12	
Cobalt	--	6.4	4.5	6.7	5.4	5.6	6.6	4.7	7.1	4.9	
Copper	270	18	28	19	32	37	14	33	40	11	
Iron	--	12000	12000	15000	12000	15000	16000	13000	20000	21000	
Lead	400	45	100	120	200	180	4.6	140	330	4.7	
Magnesium	--	2400	3200	4700	2500	2600	2100	2200	3400	2500	
Manganese	2000	110	120	340	220	330	370	180	430	300	
Mercury	0.81	0.04 J	0.16	0.08	0.38	0.71	0.09 U	0.13	1.6	0.08 U	
Nickel	310	11	12	12	14	12	5.1	12	16	6.3	
Potassium	--	840	880	1000	1000	840	3100	820	1400	2800	
Selenium	180	1.8 U	2 U	1.7 U	0.4 J	1.8 U	1.8 U	1.8 U	2 U	1.8 U	
Silver	180	0.89 U	1 U	0.84 U	0.87 U	0.92 U	0.92 U	0.91 U	0.28 J	0.93 U	
Sodium	--	540	410	250	340	140 J	95 J	200	170 J	270	
Thallium	--	1.8 U	2 U	1.7 U	1.7 U	1.8 U	1.8 U	1.8 U	2 U	1.8 U	
Vanadium	--	14	15	17	17	14	19	15	22	22	
Zinc	10000	83	190	54	210	290	70	150	140	61	

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D R A F T

Parameter (Concentrations in mg/kg)	NYSDEC												
	Part 375	Sample Designation:	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17	MW-17	MW-17	MW-18	MW-18	MW-18
	Restricted	Sample Date:	1/7/2014	1/7/2014	1/7/2014	1/7/2014	1/2/2014	1/2/2014	1/2/2014	1/2/2014	1/6/2014	1/6/2014	1/6/2014
	Residential	Sample Depth (ft bls):	0 - 2	5 - 7	10 - 12	25 - 26.5	0 - 2	5 - 7	12 - 13	23 - 24	0 - 2	8 - 10	12 - 14
Aluminum	--		7000	6900	5400	4600	7400	6500	10000	9600	4400	6800	7700
Antimony	--		4.4 U	4.7 U	4.9 U	4.6 U	4.4 U	4.6 U	5.3 U	4.5 U	4.3 U	4.7 U	5.4 U
Arsenic	16		5.1	5.9	3.5	0.4 J	8.4	6.6	1.5	3.1	1.2	1.6	2.7
Barium	400		110	83	59	33	170	160	13	140	31	36	42
Beryllium	72		0.28 J	0.26 J	0.24 J	0.27 J	5.1	2.1	0.36 J	0.2 J	0.3 J	0.31 J	0.37 J
Cadmium	4.3		0.8 J	0.54 J	0.98 U	0.91 U	0.21 J	0.11 J	1 U	0.91 U	0.87 U	0.95 U	1.1 U
Calcium	--		9600	3500	3500	1200	7400	10000	760	3100	1200	650	820
Chromium	180		18	14	9.8	15	99	39	13	8.9	9.4	11	12
Cobalt	--		6.6	5.3	3.8	6.1	41	13	4.4	11	3.9	6	6.6
Copper	270		44	30	31	14	770	210	18	37	37	13	14
Iron	--		25000	14000	9900	12000	42000	19000	14000	42000	8000	14000	18000
Lead	400		64	110	25	3.4 J	790	280	9.6	2.7 J	29	5.4	6
Magnesium	--		2500	2200	1600	1800	2900	2200	2400	4400	1300	2700	2700
Manganese	2000		210	190	400	270	410	220	98	600	180	120	130
Mercury	0.81		0.09	0.095 J	0.1 U	0.08 U	1.2	0.43	0.1	0.09 U	0.14	0.09 U	0.1 U
Nickel	310		38	13	10	9.2	92	30	12	8.8	7.9	15	16
Potassium	--		700	700	510	940	940	730	590	3500	550	630	750
Selenium	180		1.8 U	1.9 U	2 U	1.8 U	1.8 U	1.8 U	2.1 U	1.8 U	1.7 U	1.9 U	2.2 U
Silver	180		0.88 U	0.94 U	0.98 U	0.91 U	0.23 J	0.92 U	1 U	0.91 U	0.87 U	0.95 U	1.1 U
Sodium	--		87 J	180 J	240	150 J	490	470	320	210	250	64 J	67 J
Thallium	--		1.8 U	1.9 U	2 U	1.8 U	1.8 U	1.8 U	2.1 U	1.8 U	1.7 U	1.9 U	2.2 U
Vanadium	--		15	16	11	17	20	19	16	89	14	13	16
Zinc	10000		140	110	55	26	7900	1800	41	93	70	36	40

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D R A F T

Parameter (Concentrations in mg/kg)	NYSDEC		MW-18	MW-19	MW-19	MW-20	MW-20	MW-20	MW-20 DUP	MW-20	MW-21
	Part 375	Sample Designation:									
	Restricted	Sample Date:	1/6/2014	1/14/2014	1/14/2014	12/19/2013	1/15/2014	1/15/2014	1/15/2014	1/15/2014	1/6/2014
	Residential	Sample Depth (ft bls):	20 - 22	0 - 2	4 - 6	0 - 2	7 - 9	12 - 14	12 - 14	18 - 19	0 - 2
Aluminum	--		6300	7300	7400	5200	8500	5200	5500	4900	7600
Antimony	--		4.3 U	4.7 U	5.2 U	4.4 U	4.4 U	4.6 U	4.7 U	4.3 U	4.3 U
Arsenic	16		1.4	4.2	3.8	12	6.8	1.2	1.3	5.3	5.2
Barium	400		68	60	100	260	140	41	42	33	160
Beryllium	72		0.52	0.38 J	0.34 J	0.24 J	0.37 J	0.26 J	0.27 J	0.26 J	1.3
Cadmium	4.3		0.86 U	0.94 U	1 U	1.8	0.89 U	0.91 U	0.94 U	0.86 U	0.26 J
Calcium	--		2200	8100 JV	2800	14000	1200	1000	1000	740	4400
Chromium	180		26	13	13	17	11	12	12	6.6	30
Cobalt	--		6.6	5.3	5.2	5.7	5.5	4.7	5	4	11
Copper	270		13	17	14	95	15	12	12	9.2	180
Iron	--		18000	14000	14000	32000	15000	11000	11000	19000	23000
Lead	400		3.6 J	36	51	1000	56	4 J	5.3	3.6 J	440
Magnesium	--		2600	2900	2400	1800	2600	1800	1900	1500	2500
Manganese	2000		310	140	120	320	360	350	350	230	220
Mercury	0.81		0.08 U	0.04 JV	0.08 U	4.5	0.49	0.1 U	0.02 J	0.08 U	0.49
Nickel	310		17	12	12	12	13	8.7	9.4	4.3	31
Potassium	--		2100	1000	790	680	710	940	1100	2200	710
Selenium	180		1.7 U	1.9 U	2.1 U	0.82 J	1.8 U	1.8 U	1.9 U	1.7 U	1.7 U
Silver	180		0.86 U	0.94 U	1 U	0.88 U	0.89 U	0.91 UV	0.94 UV	0.86 U	0.28 J
Sodium	--		540	220	120 J	330	350	290	320	180	810
Thallium	--		1.7 U	1.9 U	2.1 U	1.8 U	1.8 U	1.8 U	1.9 U	1.7 U	1.7 U
Vanadium	--		21	17	14	15	16	18	16	18	42
Zinc	10000		38	74	83	760	38	22	24	50	1100

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 5. Summary of Metals in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in mg/kg)	NYSDEC										
	Part 375	Sample Designation:	MW-21	MW-21	MW-21	MW-22	MW-22	MW-22	MW-22	MW-23	MW-23
	Restricted	Sample Date:	1/6/2014	1/6/2014	1/6/2014	12/19/2013	1/16/2014	1/16/2014	1/16/2014	12/31/2013	12/31/2013
	Residential	Sample Depth (ft bls):	5 - 7	7 - 8	18 - 20	0 - 2	7 - 9	12 - 14	18 - 20	0 - 2	5 - 7
Aluminum	--		6800	9600	5500	5300	7300	7100	6000	6000	5400
Antimony	--		4.4 U	4.7 U	4.3 U	0.97 J	4.4 U	5.1 U	4.8 U	1.4 J	4.3 U
Arsenic	16		5	3	2.2	9.1	3.2	3.7	2.2	16	3.8
Barium	400		170	91	44	230	31	34	68	150	43
Beryllium	72		1.5 JV	0.42 J	0.35 J	0.26 J	0.29 J	0.27 J	0.26 J	0.41 J	0.21 J
Cadmium	4.3		0.29 J	0.93 U	0.85 U	1.2	0.88 UJV	1 U	0.95 U	0.97	0.86 U
Calcium	--		12000	10000	1800	21000	1000	800	980	82000	4200
Chromium	180		28 JV	17	27	14	10	12	16	12	10
Cobalt	--		11 JV	6.6	8.9	5.7	5.4	5.8	6.7	5.2	3.7
Copper	270		180 JV	38	24	51	12	12	17	36	22
Iron	--		19000	15000	22000	13000	15000	15000	16000	17000	17000
Lead	400		530	67	8	460	19 JV	5.6	7.7	70	200
Magnesium	--		3000 JV	3300	3100	2400	2600	2700	2300	2700	1900
Manganese	2000		210	210	370	380	330	350	380	140	93
Mercury	0.81		0.38	0.05 J	0.09 U	2.8	0.09 U	0.1 U	0.08 U	0.12	0.08 J
Nickel	310		27 JV	16	17	12	12	13	10	12	9.5
Potassium	--		760	1400	1500	790	630	790	1500	880	750
Selenium	180		1.8 U	1.9 U	1.7 U	0.67 J	1.8 U	2 U	1.9 U	1.8 U	1.7 U
Silver	180		0.21 JV	0.93 U	0.85 U	0.86 U	0.88 U	0.23 J	0.95 U	0.92 U	0.86 U
Sodium	--		800	470	340	430	51 J	72 J	82 J	360	290
Thallium	--		1.8 U	1.9 U	1.7 U	1.7 U	1.8 U	2 U	1.9 U	1.8 U	1.7 U
Vanadium	--		45	23	28	14	12	14	21	15	13
Zinc	10000		1000 JV	180	44	640	42 JV	33	34	600	140

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 5. Summary of Metals in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in mg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	MW-23	MW-23
	Part 375		12/31/2013	12/31/2013
	Restricted			
	Residential		10 - 12	18 - 19
Aluminum	--		7700	4100
Antimony	--		4.8 U	4.1 U
Arsenic	16		3.4	1
Barium	400		13	40
Beryllium	72		0.29 J	0.16 J
Cadmium	4.3		0.97 U	0.82 U
Calcium	--		780	1600
Chromium	180		11	16
Cobalt	--		5.4	4.2
Copper	270		12	22
Iron	--		15000	9600
Lead	400		6	4.5
Magnesium	--		2800	1600
Manganese	2000		150	94
Mercury	0.81		0.09 U	0.08 U
Nickel	310		13	8.8
Potassium	--		640	680
Selenium	180		1.9 U	1.6 U
Silver	180		0.97 U	0.82 U
Sodium	--		110 J	100 J
Thallium	--		1.9 U	1.6 U
Vanadium	--		16	10
Zinc	10000		65	23

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

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Restricted Residential Standards

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 6. Summary of Polychlorinated Biphenyls in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC								
	Part 375	Sample Designation:	B-8	B-8	B-8	B-9	B-9	B-9	B-9
	Restricted	Sample Date:	12/30/2013	12/30/2013	12/30/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Residential	Sample Depth (ft bls):	0 - 2	5 - 7	9 - 11	0 - 2	5 - 7	7 - 9	19 - 20
Aroclor-1016	--		37.0 U	38.6 U	41.2 U	36.4 U	36.5 U	39.8 U	33.0 U
Aroclor-1221	--		37.0 U	38.6 U	41.2 U	36.4 U	36.5 U	39.8 U	33.0 U
Aroclor-1232	--		37.0 U	38.6 U	41.2 U	36.4 U	36.5 U	39.8 U	33.0 U
Aroclor-1242	--		37.0 U	38.6 U	41.2 U	36.4 U	36.5 U	39.8 U	33.0 U
Aroclor-1248	--		37.0 U	38.6 U	41.2 U	36.4 U	36.5 U	39.8 U	33.0 U
Aroclor-1254	--		18.1 J	38.6 U	41.2 U	36.4 U	36.5 U	39.8 U	33.0 U
Aroclor-1260	--		12.1 J	38.6 U	41.2 U	36.4 U	36.5 U	18.3 J	33.0 U
Aroclor-1262	--		37.0 U	38.6 U	41.2 U	36.4 U	36.5 U	39.8 U	33.0 U
Aroclor-1268	--		37.0 U	38.6 U	41.2 U	36.4 U	36.5 U	39.8 U	33.0 U
Total PCBs	1000		30.2	0	0	0	0	18.3	0

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

V - Value altered or qualifier added during data validation

R - Sample results rejected by validator

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 6. Summary of Polychlorinated Biphenyls in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	B-15	B-16	B-16	B-16	B-16	B-22	B-22 DUP	B-22
	Restricted	Sample Date:	12/31/2013	12/19/2013	1/16/2014	1/16/2014	1/16/2014	1/13/2014	1/13/2014	1/13/2014
	Residential	Sample Depth (ft bls):	0 - 2	0 - 2	7 - 9	10 - 12	18 - 20	0 - 2	0 - 2	4 - 6
Aroclor-1016	--		38.3 U	33.8 U	37.3 U	39.6 U	38.8 U	38.7 U	38.4 U	40.6 U
Aroclor-1221	--		38.3 U	33.8 U	37.3 U	39.6 U	38.8 U	38.7 U	38.4 U	40.6 U
Aroclor-1232	--		38.3 U	33.8 U	37.3 U	39.6 U	38.8 U	38.7 U	38.4 U	40.6 U
Aroclor-1242	--		38.3 U	33.8 U	37.3 U	39.6 U	38.8 U	38.7 U	38.4 U	40.6 U
Aroclor-1248	--		38.3 U	33.8 U	37.3 U	39.6 U	38.8 U	38.7 U	38.4 U	40.6 U
Aroclor-1254	--		23.4 J	33.8 U	37.3 U	39.6 U	38.8 U	17.5 J	18.0 J	40.6 U
Aroclor-1260	--		38.3 U	33.8 U	37.3 U	39.6 U	38.8 U	38.7 U	38.4 U	40.6 U
Aroclor-1262	--		38.3 U	33.8 U	37.3 U	39.6 U	38.8 U	38.7 U	38.4 U	40.6 U
Aroclor-1268	--		38.3 U	33.8 U	37.3 U	39.6 U	38.8 U	38.7 U	38.4 U	40.6 U
Total PCBs	1000		23.4	0	0	0	0	17.5	18	0

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

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Restricted Residential Standards

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D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

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UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 6. Summary of Polychlorinated Biphenyls in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC								
	Part 375	Sample Designation:	B-25	B-25	B-27	B-27	MW-1/1R	MW-1/1R	MW-1/1R
	Restricted	Sample Date:	1/14/2014	1/14/2014	1/14/2014	1/14/2014	12/16/2013	12/16/2013	12/16/2013
	Residential	Sample Depth (ft bls):	0 - 2	2 - 4	0 - 2	4 - 6	0 - 2	3 - 5	6 - 8
Aroclor-1016	--		38.4 U	40.7 U	40.3 U	44.5 U	38.7 U	46.1 U	39.7 U
Aroclor-1221	--		38.4 U	40.7 U	40.3 U	44.5 U	38.7 U	46.1 U	39.7 U
Aroclor-1232	--		38.4 U	40.7 U	40.3 U	44.5 U	38.7 U	46.1 U	39.7 U
Aroclor-1242	--		38.4 U	40.7 U	40.3 U	44.5 U	38.7 U	46.1 U	39.7 U
Aroclor-1248	--		38.4 U	40.7 U	40.3 U	44.5 U	38.7 U	46.1 U	39.7 U
Aroclor-1254	--		38.4 U	40.7 U	40.3 U	44.5 U	38.7 U	46.1 U	39.7 U
Aroclor-1260	--		38.4 U	40.7 U	40.3 U	44.5 U	44.9	46.1 U	39.7 U
Aroclor-1262	--		38.4 U	40.7 U	40.3 U	44.5 U	38.7 U	46.1 U	39.7 U
Aroclor-1268	--		38.4 U	40.7 U	40.3 U	44.5 U	38.7 U	46.1 U	39.7 U
Total PCBs	1000		0	0	0	0	44.9	0	0

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

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Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

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D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

V - Value altered or qualifier added during data validation

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Table 6. Summary of Polychlorinated Biphenyls in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC								
	Part 375	Sample Designation:	MW-1/1R	MW-2/2R	MW-2/2R	MW-2/2R	MW-2/2R	MW-7/7R	MW-7/7R
	Restricted	Sample Date:	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/19/2013	1/14/2014
	Residential	Sample Depth (ft bls):	24 - 25	0 - 2	6 - 8	14 - 15	23 - 24	0 - 2	2 - 4
Aroclor-1016	--		40.5 U	35.8 U	37.0 U	41.8 U	37.1 U	36.2 U	42.7 U
Aroclor-1221	--		40.5 U	35.8 U	37.0 U	41.8 U	37.1 U	36.2 U	42.7 U
Aroclor-1232	--		40.5 U	35.8 U	37.0 U	41.8 U	37.1 U	36.2 U	42.7 U
Aroclor-1242	--		40.5 U	35.8 U	37.0 U	41.8 U	37.1 U	36.2 U	42.7 U
Aroclor-1248	--		40.5 U	35.8 U	37.0 U	41.8 U	37.1 U	36.2 U	42.7 U
Aroclor-1254	--		40.5 U	35.8 U	37.0 U	41.8 U	37.1 U	21.4 J	42.7 U
Aroclor-1260	--		40.5 U	35.8 U	37.0 U	41.8 U	37.1 U	9.00 J	42.7 U
Aroclor-1262	--		40.5 U	35.8 U	37.0 U	41.8 U	37.1 U	36.2 U	42.7 U
Aroclor-1268	--		40.5 U	35.8 U	37.0 U	41.8 U	37.1 U	36.2 U	42.7 U
Total PCBs	1000		0	0	0	0	0	30.4	0

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

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Table 6. Summary of Polychlorinated Biphenyls in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC									
	Part 375	Sample Designation:	MW-15	MW-15	MW-15	MW-18	MW-18	MW-18	MW-18	MW-20
	Restricted	Sample Date:	1/20/2014	1/20/2014	1/20/2014	1/6/2014	1/6/2014	1/6/2014	1/6/2014	12/19/2013
	Residential	Sample Depth (ft bls):	0 - 2	6 - 8	10 - 12	0 - 2	8 - 10	12 - 14	20 - 22	0 - 2
Aroclor-1016	--		38.3 U	41.5 U	39.9 U	36.1 U	39.0 U	46.2 U	36.6 U	36.9 U
Aroclor-1221	--		38.3 U	41.5 U	39.9 U	36.1 U	39.0 U	46.2 U	36.6 U	36.9 U
Aroclor-1232	--		38.3 U	41.5 U	39.9 U	36.1 U	39.0 U	46.2 U	36.6 U	36.9 U
Aroclor-1242	--		38.3 U	41.5 U	39.9 U	36.1 U	39.0 U	46.2 U	36.6 U	36.9 U
Aroclor-1248	--		38.3 U	41.5 U	39.9 U	36.1 U	39.0 U	46.2 U	36.6 U	36.9 U
Aroclor-1254	--		23.4 J	41.5 U	39.9 U	9.03 J	39.0 U	46.2 U	36.6 U	36.9 U
Aroclor-1260	--		38.3 U	41.5 U	39.9 U	9.83 J	39.0 U	46.2 U	36.6 U	36.9 U
Aroclor-1262	--		38.3 U	41.5 U	39.9 U	36.1 U	39.0 U	46.2 U	36.6 U	36.9 U
Aroclor-1268	--		38.3 U	41.5 U	39.9 U	36.1 U	39.0 U	46.2 U	36.6 U	36.9 U
Total PCBs	1000		23.4	0	0	18.86	0	0	0	0

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

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D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

V - Value altered or qualifier added during data validation

R - Sample results rejected by validator

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 6. Summary of Polychlorinated Biphenyls in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC				
	Part 375	Sample Designation:	MW-20	MW-20	MW-20 DUP
	Restricted	Sample Date:	1/15/2014	1/15/2014	1/15/2014
	Residential	Sample Depth (ft bls):	7 - 9	12 - 14	12 - 14
					MW-20 1/15/2014
Aroclor-1016	--		37.7 U	38.2 U	39.3 U
Aroclor-1221	--		37.7 U	38.2 U	39.3 U
Aroclor-1232	--		37.7 U	38.2 U	39.3 U
Aroclor-1242	--		37.7 U	38.2 U	39.3 U
Aroclor-1248	--		37.7 U	38.2 U	39.3 U
Aroclor-1254	--		37.7 U	38.2 U	39.3 U
Aroclor-1260	--		37.7 U	38.2 U	39.3 U
Aroclor-1262	--		37.7 U	38.2 U	39.3 U
Aroclor-1268	--		37.7 U	38.2 U	39.3 U
Total PCBs	1000		0	0	0

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375

Restricted Residential Standards

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D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

V - Value altered or qualifier added during data validation

R - Sample results rejected by validator

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 7. Summary of Pesticides in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	B-8 12/30/2013 0 - 2	B-8 12/30/2013 5 - 7	B-8 12/30/2013 9 - 11	B-9 12/16/2013 0 - 2	B-9 12/16/2013 5 - 7	B-9 12/16/2013 7 - 9	B-9 12/16/2013 19 - 20	B-15 12/31/2013 0 - 2
	Part 375									
	Restricted Residential									
4,4'-DDD	13000		1.79 U	1.80 U	2.01 U	1.75 U	1.76 U	1.94 U	1.68 U	1.85 U
4,4'-DDE	8900		1.79 U	1.80 U	2.01 U	1.75 U	1.76 U	1.94 U	1.68 U	1.85 U
4,4'-DDT	7900		3.35 U	3.38 U	3.76 U	3.27 U	3.30 U	3.64 U	3.16 U	3.47 U
Aldrin	97		1.79 U	1.80 U	2.01 U	1.75 U	1.76 U	1.94 U	1.68 U	1.85 U
alpha-BHC	480		0.745 U	0.751 U	0.836 U	0.728 U	0.734 U	0.810 U	0.702 U	0.772 U
alpha-Chlordane	4200		2.24 U	2.25 U	2.51 U	2.18 U	2.20 U	2.43 U	2.10 U	2.31 U
beta-BHC	360		1.79 U	1.80 U	2.01 U	1.75 U	1.76 U	1.94 U	1.68 U	1.85 U
Chlordane	--		14.5 U	14.6 U	16.3 U	14.2 U	14.3 U	15.8 U	13.7 U	15.0 U
delta-BHC	100000		1.79 U	1.80 U	2.01 U	1.75 U	1.76 U	1.94 U	1.68 U	1.85 U
Dieldrin	200		1.12 U	1.13 U	1.25 U	1.09 U	1.10 U	1.21 U	1.05 U	1.16 U
Endosulfan I	24000		1.79 U	1.80 U	2.01 U	1.75 U	1.76 U	1.94 U	1.68 U	1.85 U
Endosulfan II	24000		1.79 U	1.80 U	2.01 U	1.75 U	1.76 U	1.94 U	1.68 U	1.85 U
Endosulfan sulfate	24000		0.745 U	0.751 U	0.836 U	0.728 U	0.734 U	0.810 U	0.702 U	0.772 U
Endrin ketone	--		1.79 U	1.80 U	2.01 U	1.75 U	1.76 U	1.94 U	1.68 U	1.85 U
Endrin	11000		0.745 U	0.751 U	0.836 U	0.728 U	0.734 U	0.810 U	0.702 U	0.772 U
gamma-BHC (Lindane)	1300		0.745 U	0.751 U	0.836 U	0.728 U	0.734 U	0.810 U	0.702 U	0.772 U
gamma-Chlordane	--		2.24 U	2.25 U	2.51 U	2.18 U	2.20 U	2.43 U	2.10 U	2.31 U
Heptachlor epoxide	--		3.35 U	3.38 U	3.76 U	3.27 U	3.30 U	3.64 U	3.16 U	3.47 U
Heptachlor	2100		0.894 U	0.901 U	1.00 U	0.873 U	0.881 U	0.972 U	0.842 U	0.926 U
Methoxychlor	--		3.35 U	3.38 U	3.76 U	3.27 U	3.30 U	3.64 U	3.16 U	3.47 U
Toxaphene	--		33.5 U	33.8 U	37.6 U	32.7 U	33.0 U	36.4 U	31.6 U	34.7 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

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Restricted Residential Standards

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Table 7. Summary of Pesticides in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	B-16 12/19/2013 0 - 2	B-16 1/16/2014 7 - 9	B-16 1/16/2014 10 - 12	B-16 1/16/2014 18 - 20	B-22 1/13/2014 0 - 2	B-22 DUP 1/13/2014 0 - 2	B-22 1/13/2014 4 - 6	B-25 1/14/2014 0 - 2
	Part 375									
	Restricted Residential									
4,4'-DDD	13000		1.65 U	1.73 U	1.89 U	1.78 U	1.84 U	1.83 U	1.97 U	37.1 UD
4,4'-DDE	8900		1.65 U	1.73 U	1.89 U	1.78 U	1.84 U	1.83 U	1.97 U	37.1 UD
4,4'-DDT	7900		3.09 U	3.24 U	3.55 U	3.35 U	3.45 U	3.43 U	3.69 U	390 D
Aldrin	97		1.65 U	1.73 U	1.89 U	1.78 U	1.84 U	1.83 U	1.97 U	37.1 UD
alpha-BHC	480		0.687 U	0.720 U	0.788 U	0.744 U	0.767 U	0.762 U	0.821 U	23.5 PID
alpha-Chlordane	4200		2.06 U	2.16 U	2.36 U	2.23 U	2.30 U	2.29 U	2.46 U	46.4 UD
beta-BHC	360		1.65 U	1.73 U	1.89 U	1.78 U	1.84 U	1.83 U	1.97 U	37.1 UD
Chlordane	--		13.4 U	14.0 U	15.4 U	14.5 U	15.0 U	14.9 U	16.0 U	301 UD
delta-BHC	100000		1.65 U	1.73 U	1.89 U	1.78 U	1.84 U	1.83 U	1.97 U	37.1 UD
Dieldrin	200		1.03 U	1.08 U	1.18 U	1.12 U	1.15 U	1.14 U	1.23 U	23.2 UD
Endosulfan I	24000		1.65 U	1.73 U	1.89 U	1.78 U	1.84 U	1.83 U	1.97 U	37.1 UD
Endosulfan II	24000		1.65 U	1.73 U	1.89 U	1.78 U	1.84 U	1.83 U	1.97 U	37.1 UD
Endosulfan sulfate	24000		0.687 U	0.720 U	0.788 U	0.744 U	0.767 U	0.762 U	0.821 U	15.4 UD
Endrin ketone	--		1.65 U	1.73 U	1.89 U	1.78 U	1.84 U	1.83 U	1.97 U	37.1 UD
Endrin	11000		0.687 U	0.720 U	0.788 U	0.744 U	0.767 U	0.762 U	0.821 U	15.4 UD
gamma-BHC (Lindane)	1300		0.687 U	0.720 U	0.788 U	0.744 U	0.767 U	0.762 U	0.821 U	57.8 PID
gamma-Chlordane	--		2.06 U	2.16 U	2.36 U	2.23 U	2.30 U	2.29 U	2.46 U	46.4 UD
Heptachlor epoxide	--		3.09 U	3.24 U	3.55 U	3.35 U	3.45 U	3.43 U	3.69 U	69.5 UD
Heptachlor	2100		0.824 U	0.863 U	0.946 U	0.892 U	0.921 U	0.915 U	0.985 U	18.5 UD
Methoxychlor	--		3.09 U	3.24 U	3.55 U	3.35 U	3.45 U	3.43 U	3.69 U	69.5 UD
Toxaphene	--		30.9 U	32.4 U	35.5 U	33.5 U	34.5 U	34.3 U	36.9 U	695 UD

J - Estimated value

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DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

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Table 7. Summary of Pesticides in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	B-25	B-27	B-27	MW-1/1R	MW-1/1R	MW-1/1R	MW-1/1R	MW-2/2R
	Part 375		1/14/2014	1/14/2014	1/14/2014	12/16/2013	12/16/2013	12/16/2013	12/16/2013	12/16/2013
	Restricted Residential		2 - 4	0 - 2	4 - 6	0 - 2	3 - 5	6 - 8	24 - 25	0 - 2
4,4'-DDD	13000		38.4 UD	1.90 U	41.9 UD	1.81 U	2.15 U	9.80 UD	1.94 U	1.69 U
4,4'-DDE	8900		38.4 UD	1.90 U	41.9 UD	1.81 U	2.15 U	9.80 UD	1.94 U	1.69 U
4,4'-DDT	7900		250 D	3.56 U	198 D	3.39 U	4.03 U	18.4 UD	3.64 U	3.17 U
Aldrin	97		38.4 UD	1.90 U	41.9 UD	1.81 U	2.15 U	9.80 UD	1.94 U	1.69 U
alpha-BHC	480		16.0 UD	0.792 U	17.4 UD	0.752 U	0.896 U	4.08 UD	0.810 U	0.704 U
alpha-Chlordane	4200		48.0 UD	2.38 U	52.4 UD	2.26 U	2.69 U	12.2 UD	2.43 U	2.11 U
beta-BHC	360		38.4 UD	1.90 U	41.9 UD	1.81 U	2.15 U	9.80 UD	1.94 U	1.69 U
Chlordane	--		312 UD	15.4 U	340 UD	14.7 U	17.5 U	79.7 UD	15.8 U	13.7 U
delta-BHC	100000		38.4 UD	1.90 U	41.9 UD	1.81 U	2.15 U	9.80 UD	1.94 U	1.69 U
Dieldrin	200		24.0 UD	1.19 U	26.2 UD	1.13 U	1.34 U	6.13 UD	1.21 U	1.06 U
Endosulfan I	24000		38.4 UD	1.90 U	41.9 UD	1.81 U	2.15 U	9.80 UD	1.94 U	1.69 U
Endosulfan II	24000		38.4 UD	1.90 U	41.9 UD	1.81 U	2.15 U	9.80 UD	1.94 U	1.69 U
Endosulfan sulfate	24000		16.0 UD	0.792 U	17.4 UD	0.752 U	0.896 U	4.08 UD	0.810 U	0.704 U
Endrin ketone	--		38.4 UD	1.90 U	41.9 UD	1.81 U	2.15 U	9.80 UD	1.94 U	1.69 U
Endrin	11000		16.0 UD	0.792 U	17.4 UD	0.752 U	0.896 U	4.08 UD	0.810 U	0.704 U
gamma-BHC (Lindane)	1300		16.0 UD	0.792 U	17.4 UD	0.752 U	0.896 U	4.08 UD	0.810 U	0.704 U
gamma-Chlordane	--		48.0 UD	2.38 U	52.4 UD	2.26 U	2.69 U	12.2 UD	2.43 U	2.11 U
Heptachlor epoxide	--		72.0 UD	3.56 U	78.5 UD	3.39 U	4.03 U	18.4 UD	3.64 U	3.17 U
Heptachlor	2100		19.2 UD	0.950 U	20.9 UD	0.903 U	1.08 U	4.90 UD	0.972 U	0.845 U
Methoxychlor	--		72.0 UD	3.56 U	78.5 UD	3.39 U	4.03 U	18.4 UD	3.64 U	3.17 U
Toxaphene	--		720 UD	35.6 U	785 UD	33.9 U	40.3 U	184 UD	36.4 U	31.7 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

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Table 7. Summary of Pesticides in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	MW-2/2R	MW-2/2R	MW-2/2R	MW-7/7R	MW-7/7R	MW-15	MW-15	MW-15
	Part 375		12/16/2013	12/16/2013	12/16/2013	12/19/2013	1/14/2014	1/20/2014	1/20/2014	1/20/2014
	Restricted Residential		6 - 8	14 - 15	23 - 24	0 - 2	2 - 4	0 - 2	6 - 8	10 - 12
4,4'-DDD	13000		1.76 U	10.1 UD	1.77 U	1.79 U	2.09 U	1.85 U	10.2 UD	1.94 U
4,4'-DDE	8900		1.76 U	10.1 UD	1.77 U	1.79 U	2.09 U	1.85 U	10.2 UD	1.94 U
4,4'-DDT	7900		3.31 U	18.9 UD	3.32 U	3.35 U	3.93 U	3.47 U	19.1 UD	3.64 U
Aldrin	97		1.76 U	10.1 UD	1.77 U	1.79 U	2.09 U	1.85 U	10.2 UD	1.94 U
alpha-BHC	480		0.735 U	4.21 UD	0.737 U	0.745 U	0.873 U	0.772 U	4.26 UD	0.809 U
alpha-Chlordane	4200		2.20 U	12.6 UD	2.21 U	2.24 U	2.62 U	2.31 U	12.8 UD	2.43 U
beta-BHC	360		1.76 U	10.1 UD	1.77 U	1.79 U	2.09 U	1.85 U	10.2 UD	1.94 U
Chlordane	--		14.3 U	82.0 UD	14.4 U	14.5 U	17.0 U	15.0 U	83.0 UD	15.8 U
delta-BHC	100000		1.76 U	10.1 UD	1.77 U	1.79 U	2.09 U	1.85 U	10.2 UD	1.94 U
Dieldrin	200		1.10 U	6.31 UD	1.10 U	1.12 U	1.31 U	1.16 U	6.38 UD	1.21 U
Endosulfan I	24000		1.76 U	10.1 UD	1.77 U	1.79 U	2.09 U	1.85 U	10.2 UD	1.94 U
Endosulfan II	24000		1.76 U	10.1 UD	1.77 U	1.79 U	2.09 U	1.85 U	10.2 UD	1.94 U
Endosulfan sulfate	24000		0.735 U	4.21 UD	0.737 U	0.745 U	0.873 U	0.772 U	4.26 UD	0.809 U
Endrin ketone	--		1.76 U	10.1 UD	1.77 U	1.79 U	2.09 U	1.85 U	10.2 UD	1.94 U
Endrin	11000		0.735 U	4.21 UD	0.737 U	0.745 U	0.873 U	0.772 U	4.26 UD	0.809 U
gamma-BHC (Lindane)	1300		0.735 U	4.21 UD	0.737 U	0.745 U	0.873 U	0.772 U	4.26 UD	0.809 U
gamma-Chlordane	--		2.20 U	12.6 UD	2.21 U	2.24 U	2.62 U	2.31 U	12.8 UD	2.43 U
Heptachlor epoxide	--		3.31 U	18.9 UD	3.32 U	3.35 U	3.93 U	3.47 U	19.1 UD	3.64 U
Heptachlor	2100		0.882 U	5.05 UD	0.884 U	0.894 U	1.05 U	0.926 U	5.11 UD	0.971 U
Methoxychlor	--		3.31 U	18.9 UD	3.32 U	3.35 U	3.93 U	3.47 U	19.1 UD	3.64 U
Toxaphene	--		33.1 U	189 UD	33.2 U	33.5 U	39.3 U	34.7 U	191 UD	36.4 U

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ft bls - Feet below land surface

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Table 7. Summary of Pesticides in Soil, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/kg)	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	MW-18	MW-18	MW-18	MW-18	MW-20	MW-20	MW-20	MW-20 DUP	MW-20
	Part 375		MW-18	MW-18	MW-18	MW-18	MW-20	MW-20	MW-20	MW-20 DUP	MW-20
	Restricted Residential		1/6/2014	1/6/2014	1/6/2014	1/6/2014	12/19/2013	1/15/2014	1/15/2014	1/15/2014	1/15/2014
			0 - 2	8 - 10	12 - 14	20 - 22	0 - 2	7 - 9	12 - 14	12 - 14	18 - 19
4,4'-DDD	13000		1.76 U	1.88 U	2.20 U	1.76 U	1.80 U	1.72 U	1.84 U	1.87 U	1.78 U
4,4'-DDE	8900		1.76 U	1.88 U	2.20 U	1.76 U	1.80 U	1.72 U	1.84 U	1.87 U	1.78 U
4,4'-DDT	7900		3.30 U	3.53 U	4.13 U	3.29 U	3.38 U	3.23 U	3.44 U	3.50 U	3.34 U
Aldrin	97		1.76 U	1.88 U	2.20 U	1.76 U	1.80 U	1.72 U	1.84 U	1.87 U	1.78 U
alpha-BHC	480		0.734 U	0.785 U	0.918 U	0.732 U	0.752 U	0.717 U	0.766 U	0.779 U	0.743 U
alpha-Chlordane	4200		2.20 U	2.36 U	2.76 U	2.20 U	2.26 U	2.15 U	2.30 U	2.34 U	2.23 U
beta-BHC	360		1.76 U	1.88 U	2.20 U	1.76 U	1.80 U	1.72 U	1.84 U	1.87 U	1.78 U
Chlordane	--		14.3 U	15.3 U	17.9 U	14.3 U	14.7 U	14.0 U	14.9 U	15.2 U	14.5 U
delta-BHC	100000		1.76 U	1.88 U	2.20 U	1.76 U	1.80 U	1.72 U	1.84 U	1.87 U	1.78 U
Dieldrin	200		1.10 U	1.18 U	1.38 U	1.10 U	1.13 U	1.08 U	1.15 U	1.17 U	1.11 U
Endosulfan I	24000		1.76 U	1.88 U	2.20 U	1.76 U	1.80 U	1.72 U	1.84 U	1.87 U	1.78 U
Endosulfan II	24000		1.76 U	1.88 U	2.20 U	1.76 U	1.80 U	1.72 U	1.84 U	1.87 U	1.78 U
Endosulfan sulfate	24000		0.734 U	0.785 U	0.918 U	0.732 U	0.752 U	0.717 U	0.766 U	0.779 U	0.743 U
Endrin ketone	--		1.76 U	1.88 U	2.20 U	1.76 U	1.80 U	1.72 U	1.84 U	1.87 U	1.78 U
Endrin	11000		0.734 U	0.785 U	0.918 U	0.732 U	0.752 U	0.717 U	0.766 U	0.779 U	0.743 U
gamma-BHC (Lindane)	1300		0.734 U	0.785 U	0.918 U	0.732 U	0.752 U	0.717 U	0.766 U	0.779 U	0.743 U
gamma-Chlordane	--		2.20 U	2.36 U	2.76 U	2.20 U	2.26 U	2.15 U	2.30 U	2.34 U	2.23 U
Heptachlor epoxide	--		3.30 U	3.53 U	4.13 U	3.29 U	3.38 U	3.23 U	3.44 U	3.50 U	3.34 U
Heptachlor	2100		0.881 U	0.942 U	1.10 U	0.878 U	0.903 U	0.861 U	0.919 U	0.935 U	0.892 U
Methoxychlor	--		3.30 U	3.53 U	4.13 U	3.29 U	3.38 U	3.23 U	3.44 U	3.50 U	3.34 U
Toxaphene	--		33.0 U	35.3 U	41.3 U	32.9 U	33.8 U	32.3 U	34.4 U	35.0 U	33.4 U

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µg/kg - Micrograms per kilogram

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Table 8. Summary of General Chemistry in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in mg/L)	NYSDEC AWQSGVs (mg/L)	Sample Designation: MW-2/2R Sample Date: 1/30/2014	MW-4 1/30/2014	MW-5 1/30/2014	MW-7/7R 1/30/2014	MW-10 1/30/2014	MW-11 1/30/2014	MW-16 1/29/2014	MW-16 DUP 1/29/2014
CHLORIDE	250	290	190	950	230	12000	5900	1800	1700
Total Dissolved Solids	--	1200	530	2200	900	24000	11000	3800	3800

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

mg/L -Milligrams per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 8. Summary of General Chemistry in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in mg/L)	NYSDEC AWQSGVs (mg/L)	Sample Designation: Sample Date:	MW-18 1/30/2014	MW-20 1/30/2014	MW-21 1/30/2014	MW-22 1/30/2014
CHLORIDE	250		66	1100	3000	140
Total Dissolved Solids	--		270	2800	5600	490

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

mg/L -Milligrams per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 9. Summary of Volatile Organic Compounds in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York *D R A F T*

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-1/1R 3/20/2013	MW-1/1R DUP 3/20/2013	MW-2/2R 1/30/2014	MW-4 1/30/2014	MW-4 3/20/2013	MW-5 1/30/2014	MW-5 3/20/2013
1,1,1-Trichloroethane	5		1 U	1 U	2.5 U	2.5 U	1 U	2.5 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	0.5 U	0.5 U	1 U	0.5 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1.5 U	1.5 U	1 U	1.5 U	1 U
1,1-Dichloroethane	5		1 U	1 U	2.5 U	2.5 U	1 U	2.5 U	1 U
1,1-Dichloroethene	5		1 U	1 U	0.5 U	0.5 U	1 U	0.5 U	1 U
1,2,3-Trichlorobenzene	5		5 U	5 U	2.5 U	2.5 U	5 U	2.5 U	5 U
1,2,4-Trichlorobenzene	5		5 U	5 U	2.5 U	2.5 U	5 U	2.5 U	5 U
1,2-Dibromoethane	--		2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3		1 U	1 U	2.5 U	2.5 U	1 U	2.5 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	0.5 U	0.5 U	1 U	0.5 U	1 U
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3		1 U	1 U	2.5 U	2.5 U	1 U	2.5 U	1 U
1,4-Dichlorobenzene	3		1 U	1 U	2.5 U	2.5 U	1 U	2.5 U	1 U
1,4-Dioxane	--		130 U	130 U	250 U	250 U	130 U	250 U	130 U
2-Butanone (MEK)	50		10 U	10 U	5 U	5 U	10 U	5 U	10 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)	--		5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	2.4 J	1.5 J	10 U	5 U	10 U
Benzene	1		1 U	1 U	0.5 U	0.5 U	1 U	0.5 U	1 U
Bromochloromethane	5		5 U	5 U	2.5 U	2.5 U	5 U	2.5 U	5 U
Bromodichloromethane	50		1 U	1 U	0.5 U	0.5 U	1 U	0.5 U	1 U
Bromoform	50		4 U	4 U	2 U	2 U	4 U	2 U	4 U
Bromomethane	5		2 U	2 U	2.5 U	2.5 U	2 U	2.5 U	2 U
Carbon disulfide	60		2 U	2 U	5 U	5 U	2 U	5 U	2 U
Carbon tetrachloride	5		1 U	1 U	0.5 U	0.5 U	1 U	0.5 U	1 U
Chlorobenzene	5		1 U	1 U	2.5 U	2.5 U	1 U	2.5 U	1 U
Chloroethane	5		1 U	1 U	2.5 U	2.5 U	1 U	2.5 U	1 U
Chloroform	7		1 U	1 U	2.5 U	2.5 U	1 U	2.5 U	1 U
Chloromethane	--		1 U	1 U	2.5 U	2.5 U	1 U	2.5 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	2.5 U	2.5 U	1 U	2.5 U	1 U
cis-1,3-Dichloropropene	5		1 U	1 U	0.5 U	0.5 U	1 U	0.5 U	1 U
Cyclohexane	--		5 U	5 U	NA	NA	1.2 J	NA	5 U
Dibromochloromethane	50		1 U	1 U	0.5 U	0.5 U	1 U	0.5 U	1 U

Table 9. Summary of Volatile Organic Compounds in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York *D R A F T*

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-1/1R 3/20/2013	MW-1/1R DUP 3/20/2013	MW-2/2R 1/30/2014	MW-4 1/30/2014	MW-4 3/20/2013	MW-5 1/30/2014	MW-5 3/20/2013
Dibromochloropropane	--		10 U	10 U	2.5 U	2.5 U	10 U	2.5 U	10 U
Dichlorodifluoromethane	5		5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5		1 U	1 U	2.5 U	2.5 U	1 U	2.5 U	1 U
Freon 113	--		5 U	5 U	2.5 U	2.5 U	5 U	2.5 U	5 U
Isopropylbenzene	5		11.6	9.9	0.92 J	2.4 J	4.2	2.5 U	2 U
m+p-Xylene	5		1 U	1 U	2.5 U	2.5 U	0.77 J	2.5 U	1 U
Methyl acetate	--		5 U	5 U	NA	NA	5 U	NA	5 U
Methylcyclohexane	--		5 U	5 U	NA	NA	3.8 J	NA	5 U
Methylene chloride	5		2 U	2 U	2.5 U	2.5 U	2 U	2.5 U	2 U
MTBE	10		1 U	1 U	2.5 U	2.5 U	1 U	2.5 U	1 U
o-Xylene	5		1 U	1 U	2.5 U	2.5 U	0.24 J	2.5 U	1 U
Styrene	5		5 U	5 U	2.5 U	2.5 U	5 U	2.5 U	5 U
Tetrachloroethene	5		1 U	1 U	0.5 U	0.5 U	1 U	0.5 U	1 U
Toluene	5		1 U	1 U	2.5 U	2.5 U	1 U	2.5 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	2.5 U	2.5 U	1 U	2.5 U	1 U
trans-1,3-Dichloropropene	--		1 U	1 U	0.5 U	0.5 U	1 U	0.5 U	1 U
Trichloroethene	5		1 U	1 U	0.5 U	0.5 U	1 U	0.5 U	1 U
Trichlorofluoromethane	5		5 U	5 U	2.5 U	2.5 U	5 U	2.5 U	5 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5		1 U	1 U	2.5 U	2.5 U	1.01 J	2.5 U	1 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

V - Value altered or qualifier added during data validation

Table 9. Summary of Volatile Organic Compounds in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York *D R A F T*

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-7/7R 1/30/2014	MW-10 1/30/2014	MW-10 3/20/2013	MW-11 1/30/2014	MW-11 3/20/2013	MW-14 1/30/2014	MW-15 1/30/2014	MW-16 1/29/2014
1,1,1-Trichloroethane	5		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	6.2 UD
1,1,2,2-Tetrachloroethane	5		2 UD	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	1.2 UD
1,1,2-Trichloroethane	1		6 UD	1.5 U	1 U	1.5 U	1 U	1.5 U	1.5 U	3.8 UD
1,1-Dichloroethane	5		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	6.2 UD
1,1-Dichloroethene	5		2 UD	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	1.2 UD
1,2,3-Trichlorobenzene	5		10 UD	2.5 U	5 U	2.5 U	5 U	2.5 U	2.5 U	6.2 UD
1,2,4-Trichlorobenzene	5		10 UD	2.5 U	5 U	2.5 U	5 U	2.5 U	2.5 U	6.2 UD
1,2-Dibromoethane	--		8 UD	2 U	2 U	2 U	2 U	2 U	2 U	5 UD
1,2-Dichlorobenzene	3		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	6.2 UD
1,2-Dichloroethane	0.6		2 UD	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	1.2 UD
1,2-Dichloropropane	1		4 UD	1 U	1 U	1 U	1 U	1 U	1 U	2.5 UD
1,3-Dichlorobenzene	3		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	6.2 UD
1,4-Dichlorobenzene	3		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	6.2 UD
1,4-Dioxane	--		1000 UD	250 U	130 U	250 U	130 U	250 U	250 U	620 UD
2-Butanone (MEK)	50		42 D	5 U	10 U	5 U	10 U	5 U	5 U	12 UD
2-Hexanone	50		20 UD	5 U	5 U	5 U	5 U	5 U	5 U	12 UD
4-Methyl-2-pentanone (MIBK)	--		20 UD	5 U	5 U	5 U	5 U	5 U	5 U	12 UD
Acetone	50		20 UD	5 U	10 U	5 U	10 U	15	5.6	12 UD
Benzene	1		2 UD	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	1.2 UD
Bromochloromethane	5		10 UD	2.5 U	5 U	2.5 U	5 U	2.5 U	2.5 U	6.2 UD
Bromodichloromethane	50		2 UD	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	1.2 UD
Bromoform	50		8 UD	2 U	4 U	2 U	4 U	2 U	2 U	5 UD
Bromomethane	5		10 UD	2.5 U	2 U	2.5 U	2 U	2.5 U	2.5 U	6.2 UD
Carbon disulfide	60		20 UD	5 U	2 U	5 U	0.47 J	5 U	5 U	12 UD
Carbon tetrachloride	5		2 UD	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	1.2 UD
Chlorobenzene	5		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	6.2 UD
Chloroethane	5		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	6.2 UD
Chloroform	7		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	6.2 UD
Chloromethane	--		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	6.2 UD
cis-1,2-Dichloroethene	5		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	6.2 UD
cis-1,3-Dichloropropene	5		2 UD	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	1.2 UD
Cyclohexane	--		NA	NA	5 U	NA	5 U	NA	NA	NA
Dibromochloromethane	50		2 UD	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	1.2 UD

Table 9. Summary of Volatile Organic Compounds in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York *D R A F T*

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-7/7R 1/30/2014	MW-10 1/30/2014	MW-10 3/20/2013	MW-11 1/30/2014	MW-11 3/20/2013	MW-14 1/30/2014	MW-15 1/30/2014	MW-16 1/29/2014
Dibromochloropropane	--		10 UD	2.5 U	10 U	2.5 U	10 U	2.5 U	2.5 U	6.2 UD
Dichlorodifluoromethane	5		20 UD	5 U	5 U	5 U	5 U	5 U	5 U	12 UD
Ethylbenzene	5		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	6.2 UD
Freon 113	--		10 UD	2.5 U	5 U	2.5 U	5 U	2.5 U	2.5 U	6.2 UD
Isopropylbenzene	5		6 JD	2.5 U	2 U	2.5 U	2 U	2.5 U	1.6 J	6.2 UJVD
m+p-Xylene	5		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	6.3 D
Methyl acetate	--		NA	NA	5 U	NA	5 U	NA	NA	NA
Methylcyclohexane	--		NA	NA	5 U	NA	5 U	NA	NA	NA
Methylene chloride	5		10 UD	2.5 U	2 U	2.5 U	2 U	2.5 U	2.5 U	6.2 UD
MTBE	10		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	6.2 UD
o-Xylene	5		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	6.2 D
Styrene	5		10 UD	2.5 U	5 U	2.5 U	5 U	2.5 U	2.5 U	6.2 UD
Tetrachloroethene	5		2 UD	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	1.2 UD
Toluene	5		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	6.2 UD
trans-1,2-Dichloroethene	5		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	6.2 UD
trans-1,3-Dichloropropene	--		2 UD	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	1.2 UD
Trichloroethene	5		2 UD	0.5 U	1 U	0.5 U	1 U	0.5 U	0.5 U	1.2 UD
Trichlorofluoromethane	5		10 UD	2.5 U	5 U	2.5 U	5 U	2.5 U	2.5 U	6.2 UD
Vinyl chloride	2		4 UD	1 U	1 U	1 U	1 U	1 U	1 U	2.5 UD
Xylenes (total)	5		10 UD	2.5 U	1 U	2.5 U	1 U	2.5 U	2.5 U	12.5 D

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

V - Value altered or qualifier added during data validation

Table 9. Summary of Volatile Organic Compounds in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York *D R A F T*

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-16 DUP 1/29/2014	MW-18 1/30/2014	MW-20 1/30/2014	MW-21 1/30/2014	MW-22 1/30/2014
1,1,1-Trichloroethane	5		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5		1.2 UD	0.5 U	1.2 UD	0.5 U	0.5 U
1,1,2-Trichloroethane	1		3.8 UD	1.5 U	3.8 UD	1.5 U	1.5 U
1,1-Dichloroethane	5		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
1,1-Dichloroethene	5		1.2 UD	0.5 U	1.2 UD	0.5 U	0.5 U
1,2,3-Trichlorobenzene	5		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
1,2-Dibromoethane	--		5 UD	2 U	5 UD	2 U	2 U
1,2-Dichlorobenzene	3		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
1,2-Dichloroethane	0.6		1.2 UD	0.5 U	1.2 UD	0.5 U	0.5 U
1,2-Dichloropropane	1		2.5 UD	1 U	2.5 UD	1 U	1 U
1,3-Dichlorobenzene	3		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
1,4-Dichlorobenzene	3		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
1,4-Dioxane	--		620 UD	250 U	620 UD	250 U	250 U
2-Butanone (MEK)	50		12 UD	5 U	12 UD	5 U	5 U
2-Hexanone	50		12 UD	5 U	12 UD	5 U	5 U
4-Methyl-2-pentanone (MIBK)	--		12 UD	5 U	12 UD	5 U	5 U
Acetone	50		12 UD	1.9 J	12 UD	190 E	2.2 J
Benzene	1		0.45 JD	0.5 U	1.2 UD	0.38 J	0.5 U
Bromochloromethane	5		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
Bromodichloromethane	50		1.2 UD	0.5 U	1.2 UD	0.5 U	0.5 U
Bromoform	50		5 UD	2 U	5 UD	2 U	2 U
Bromomethane	5		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
Carbon disulfide	60		12 UD	5 U	12 UD	5 U	5 U
Carbon tetrachloride	5		1.2 UD	0.5 U	1.2 UD	0.5 U	0.5 U
Chlorobenzene	5		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
Chloroethane	5		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
Chloroform	7		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
Chloromethane	--		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
cis-1,2-Dichloroethene	5		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
cis-1,3-Dichloropropene	5		1.2 UD	0.5 U	1.2 UD	0.5 U	0.5 U
Cyclohexane	--		NA	NA	NA	NA	NA
Dibromochloromethane	50		1.2 UD	0.5 U	1.2 UD	0.5 U	0.5 U

Table 9. Summary of Volatile Organic Compounds in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York *D R A F T*

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-16 DUP 1/29/2014	MW-18 1/30/2014	MW-20 1/30/2014	MW-21 1/30/2014	MW-22 1/30/2014
Dibromochloropropane	--		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
Dichlorodifluoromethane	5		12 UD	5 U	12 UD	5 U	5 U
Ethylbenzene	5		2.9 JD	2.5 U	6.2 UD	2.5 U	2.5 U
Freon 113	--		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
Isopropylbenzene	5		20 JVD	6.8	21 D	2.5 U	8
m+p-Xylene	5		10 D	2.5 U	6.2 UD	2.5 U	2.5 U
Methyl acetate	--		NA	NA	NA	NA	NA
Methylcyclohexane	--		NA	NA	NA	NA	NA
Methylene chloride	5		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
MTBE	10		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
o-Xylene	5		6.7 D	2.5 U	6.2 UD	2.5 U	2.5 U
Styrene	5		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
Tetrachloroethene	5		1.2 UD	0.5 U	1.2 UD	0.5 U	0.5 U
Toluene	5		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
trans-1,2-Dichloroethene	5		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
trans-1,3-Dichloropropene	--		1.2 UD	0.5 U	1.2 UD	0.5 U	0.5 U
Trichloroethene	5		1.2 UD	0.5 U	1.2 UD	0.5 U	0.5 U
Trichlorofluoromethane	5		6.2 UD	2.5 U	6.2 UD	2.5 U	2.5 U
Vinyl chloride	2		2.5 UD	1 U	2.5 UD	1 U	1 U
Xylenes (total)	5		16.70 D	2.5 U	6.2 UD	2.5 U	2.5 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- - No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

V - Value altered or qualifier added during data validation

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York D R A F T

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-1/1R 3/20/2013	MW-1/1R DUP 3/20/2013	MW-2/2R 1/30/2014	MW-4 1/30/2014	MW-4 3/20/2013	MW-5 1/30/2014	MW-5 3/20/2013
1,1'-Biphenyl	--		1.1 U	1.1 U	2 U	2 U	1.1 U	2 U	1 U
1,2,4,5-Tetrachlorobenzene	--		2.2 U	2.2 U	10 U	10 U	2.1 U	10 U	2 U
2,2'-oxybis (1-chloropropane)	5		NA	NA	2 U	2 U	NA	2 U	NA
2,2'-oxybis (2-chloropropane)	--		2.2 U	2.2 U	NA	NA	2.1 U	NA	2 U
2,3,4,6-Tetrachlorophenol	--		5.4 U	5.4 U	NA	NA	5.3 U	NA	5 U
2,4,5-Trichlorophenol	--		5.4 U	5.4 U	5 U	5 U	5.3 U	5 U	5 U
2,4,6-Trichlorophenol	--		5.4 U	5.4 U	5 U	5 U	5.3 U	5 U	5 U
2,4-Dichlorophenol	5		5.4 U	5.4 U	5 U	5 U	5.3 U	5 U	5 U
2,4-Dimethylphenol	50		5.4 U	5.4 U	5 U	5 U	5.3 U	5 U	5 U
2,4-Dinitrophenol	10		22 U	22 U	20 U	20 U	21 U	20 U	20 U
2,4-Dinitrotoluene	5		2.2 U	2.2 U	5 U	5 U	2.1 U	5 U	2 U
2,6-Dinitrotoluene	5		2.2 U	2.2 U	5 U	5 U	2.1 U	5 U	2 U
2-Chloronaphthalene	10		2.2 U	2.2 U	0.2 U	0.2 U	2.1 U	0.2 U	2 U
2-Chlorophenol	--		5.4 U	5.4 U	2 U	2 U	5.3 U	2 U	5 U
2-Methylnaphthalene	--		1.1 U	1.1 U	0.2 U	0.2 U	1.1 U	0.2 U	1 U
2-Methylphenol	--		2.2 U	2.2 U	5 U	5 U	2.1 U	5 U	2 U
2-Nitroaniline	5		5.4 U	5.4 U	5 U	5 U	5.3 U	5 U	5 U
2-Nitrophenol	--		5.4 U	5.4 U	10 U	10 U	5.3 U	10 U	5 U
3&4-Methylphenol	--		2.2 U	2.2 U	5 U	5 U	2.1 U	5 U	2 U
3,3'-Dichlorobenzidine	5		5.4 U	5.4 U	5 U	5 U	5.3 U	5 U	5 U
3-Nitroaniline	5		5.4 U	5.4 U	5 U	5 U	5.3 U	5 U	5 U
4,6-Dinitro-2-methylphenol	--		22 U	22 U	10 U	10 U	21 U	10 U	20 U
4-Bromophenyl phenyl ether	--		2.2 U	2.2 U	2 U	2 U	2.1 U	2 U	2 U
4-Chloro-3-methylphenol	--		5.4 U	5.4 U	2 U	2 U	5.3 U	2 U	5 U
4-Chloroaniline	5		5.4 U	5.4 U	5 U	5 U	5.3 U	5 U	5 U
4-Chlorophenyl phenyl ether	--		2.2 U	2.2 U	2 U	2 U	2.1 U	2 U	2 U
4-Nitroaniline	5		5.4 U	5.4 U	5 U	5 U	5.3 U	5 U	5 U
4-Nitrophenol	--		11 U	11 U	10 U	10 U	11 U	10 U	10 U
Acenaphthene	20		1.1 U	1.1 U	0.11 J	0.23	1.1 U	0.08 J	1 U
Acenaphthylene	20		1.1 U	1.1 U	0.2 U	0.2 U	1.1 U	0.2 U	1 U
Acetophenone	--		2.2 U	2.2 U	5 U	5 U	2.1 U	5 U	2 U
Anthracene	50		1.1 U	1.1 U	0.09 J	0.1 J	1.1 U	0.17 J	1 U

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York D R A F T

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-1/1R 3/20/2013	MW-1/1R DUP 3/20/2013	MW-2/2R 1/30/2014	MW-4 1/30/2014	MW-4 3/20/2013	MW-5 1/30/2014	MW-5 3/20/2013
Atrazine	--		5.4 U	5.4 U	NA	NA	5.3 U	NA	5 U
Benzaldehyde	--		5.4 U	5.4 U	NA	NA	5.3 U	NA	5 U
Benzo[a]anthracene	0.002		1.1 U	1.1 U	0.33	0.2 U	1.1 U	0.42	1 U
Benzo[a]pyrene	0		1.1 U	1.1 U	0.31	0.2 U	1.1 U	0.45	1 U
Benzo[b]fluoranthene	0.002		1.1 U	1.1 U	0.41	0.2 U	1.1 U	0.54	1 U
Benzo[g,h,i]perylene	--		1.1 U	1.1 U	0.24	0.2 U	1.1 U	0.32	1 U
Benzo[k]fluoranthene	0.002		1.1 U	1.1 U	0.28	0.2 U	1.1 U	0.3	1 U
Benzoic Acid	--		NA	NA	50 U	50 U	NA	50 U	NA
Benzyl Alcohol	--		NA	NA	2 U	2 U	NA	2 U	NA
Bis(2-chloroethoxy)methane	5		2.2 U	2.2 U	5 U	5 U	2.1 U	5 U	2 U
Bis(2-chloroethyl) ether	--		2.2 U	2.2 U	2 U	2 U	2.1 U	2 U	2 U
Bis(2-ethylhexyl) phthalate	5		2.2 U	2.2 U	3 U	3 U	2.1 U	3 U	2 U
Butylbenzyl phthalate	50		2.2 U	2.2 U	5 U	5 U	2.1 U	5 U	2 U
Caprolactam	--		2.2 U	2.2 U	NA	NA	2.1 U	NA	2 U
Carbazole	--		1.1 U	1.1 U	2 U	2 U	1.1 U	2 U	1 U
Chrysene	0.002		1.1 U	1.1 U	0.33	0.2 U	1.1 U	0.36	1 U
Dibenzo[a,h]anthracene	--		1.1 U	1.1 U	0.2 U	0.2 U	1.1 U	0.17 J	1 U
Dibenzofuran	--		5.4 U	5.4 U	2 U	2 U	5.3 U	2 U	5 U
Diethyl phthalate	50		2.2 U	2.2 U	5 U	5 U	2.1 U	5 U	2 U
Dimethyl phthalate	50		2.2 U	2.2 U	5 U	5 U	2.1 U	5 U	2 U
Di-n-butyl phthalate	50		2.2 U	2.2 U	5 U	5 U	2.1 U	5 U	2 U
Di-n-octyl phthalate	--		2.2 U	2.2 U	5 U	5 U	2.1 U	5 U	2 U
Fluoranthene	50		1.1 U	1.1 U	0.44	0.11 J	1.1 U	0.71	1 U
Fluorene	50		1.1 U	1.1 U	0.1 J	0.38	1.1 U	0.07 J	1 U
Hexachlorobenzene	0.04		1.1 U	1.1 U	0.8 U	0.8 U	1.1 U	0.8 U	1 U
Hexachlorobutadiene	0.5		1.1 U	1.1 U	0.5 U	0.5 U	1.1 U	0.5 U	1 U
Hexachlorocyclopentadiene	5		11 U	11 U	20 U	20 U	11 U	20 U	10 U
Hexachloroethane	5		2.2 U	2.2 U	0.8 U	0.8 U	2.1 U	0.8 U	2 U
Indeno[1,2,3-cd]pyrene	0.002		1.1 U	1.1 U	0.18 J	0.2 U	1.1 U	0.38	1 U
Isophorone	50		2.2 U	2.2 U	5 U	5 U	2.1 U	5 U	2 U
Naphthalene	10		1.1 U	1.1 U	0.45	0.43	0.7 J	0.2 U	1 U
Nitrobenzene	0.4		2.2 U	2.2 U	2 U	2 U	2.1 U	2 U	2 U

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York D R A F T

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-1/1R 3/20/2013	MW-1/1R DUP 3/20/2013	MW-2/2R 1/30/2014	MW-4 1/30/2014	MW-4 3/20/2013	MW-5 1/30/2014	MW-5 3/20/2013
n-Nitrosodi-n-propylamine	--		2.2 U	2.2 U	5 U	5 U	2.1 U	5 U	2 U
n-Nitrosodiphenylamine	50		5.4 U	5.4 U	2 U	2 U	5.3 U	2 U	5 U
Pentachlorophenol	1		11 U	11 U	0.8 U	0.8 U	11 U	0.8 U	10 U
Phenanthrene	50		1.1 U	1.1 U	0.23	0.66	1.1 U	0.5	1 U
Phenol	1		2.2 U	2.2 U	5 U	5 U	2.1 U	5 U	2 U
Pyrene	50		1.1 U	1.1 U	0.72	0.18 J	1.1 U	0.61	1 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York D R A F T

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-7/7R 1/30/2014	MW-10 1/30/2014	MW-10 3/20/2013	MW-11 1/30/2014	MW-11 3/20/2013	MW-15 1/30/2014	MW-16 1/29/2014	MW-16 DUP 1/29/2014
1,1'-Biphenyl	--		46 UD	2 U	1.1 U	2 U	1 U	2.6 U	2 U	2 U
1,2,4,5-Tetrachlorobenzene	--		230 UD	10 U	2.1 U	10 U	2.1 U	13 U	10 U	10 U
2,2'-oxybis (1-chloropropane)	5		46 UD	2 U	NA	2 U	NA	2.6 U	2 U	2 U
2,2'-oxybis (2-chloropropane)	--		NA	NA	2.1 U	NA	2.1 U	NA	NA	NA
2,3,4,6-Tetrachlorophenol	--		NA	NA	5.3 U	NA	5.2 U	NA	NA	NA
2,4,5-Trichlorophenol	--		120 UD	5 U	5.3 U	5 U	5.2 U	6.5 U	5 U	5 U
2,4,6-Trichlorophenol	--		120 UD	5 U	5.3 U	5 U	5.2 U	6.5 U	5 U	5 U
2,4-Dichlorophenol	5		120 UD	5 U	5.3 U	5 U	5.2 U	6.5 U	5 U	5 U
2,4-Dimethylphenol	50		120 UD	5 U	5.3 U	5 U	5.2 U	6.5 U	5 U	5 U
2,4-Dinitrophenol	10		460 UD	20 U	21 U	20 U	21 U	26 U	20 U	20 U
2,4-Dinitrotoluene	5		120 UD	5 U	2.1 U	5 U	2.1 U	6.5 U	5 U	5 U
2,6-Dinitrotoluene	5		120 UD	5 U	2.1 U	5 U	2.1 U	6.5 U	5 U	5 U
2-Chloronaphthalene	10		4.6 UD	0.2 U	2.1 U	0.2 U	2.1 U	0.52 UD	0.2 U	0.2 U
2-Chlorophenol	--		46 UD	2 U	5.3 U	2 U	5.2 U	2.6 U	2 U	2 U
2-Methylnaphthalene	--		39 D	0.2 U	1.1 U	0.2 U	1 U	0.56 D	0.36	0.45
2-Methylphenol	--		120 UD	5 U	2.1 U	5 U	2.1 U	6.5 U	5 U	5 U
2-Nitroaniline	5		120 UD	5 U	5.3 U	5 U	5.2 U	6.5 U	5 U	5 U
2-Nitrophenol	--		230 UD	10 U	5.3 U	10 U	5.2 U	13 U	10 U	10 U
3&4-Methylphenol	--		120 UD	5 U	2.1 U	5 U	2.1 U	6.5 U	5 U	5 U
3,3'-Dichlorobenzidine	5		120 UD	5 U	5.3 U	5 U	5.2 U	6.5 U	5 U	5 U
3-Nitroaniline	5		120 UD	5 U	5.3 U	5 U	5.2 U	6.5 U	5 U	5 U
4,6-Dinitro-2-methylphenol	--		230 UD	10 U	21 U	10 U	21 U	13 U	10 U	10 U
4-Bromophenyl phenyl ether	--		46 UD	2 U	2.1 U	2 U	2.1 U	2.6 U	2 U	2 U
4-Chloro-3-methylphenol	--		46 UD	2 U	5.3 U	2 U	5.2 U	2.6 U	2 U	2 U
4-Chloroaniline	5		120 UD	5 U	5.3 U	5 U	5.2 U	6.5 U	5 U	5 U
4-Chlorophenyl phenyl ether	--		46 UD	2 U	2.1 U	2 U	2.1 U	2.6 U	2 U	2 U
4-Nitroaniline	5		120 UD	5 U	5.3 U	5 U	5.2 U	6.5 U	5 U	5 U
4-Nitrophenol	--		230 UD	10 U	11 U	10 U	10 U	13 U	10 U	10 U
Acenaphthene	20		13 D	0.2 U	1.1 U	0.2 U	1 U	2.1 D	0.2 U	0.2 U
Acenaphthylene	20		4.6 UD	0.2 U	1.1 U	0.2 U	1 U	0.42 JD	0.2 U	0.2 U
Acetophenone	--		120 UD	5 U	2.1 U	5 U	2.1 U	6.5 U	5 U	5 U
Anthracene	50		12 D	0.2 U	1.1 U	0.2 U	1 U	0.93 D	0.14 J	0.16 J

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York D R A F T

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-7/7R 1/30/2014	MW-10 1/30/2014	MW-10 3/20/2013	MW-11 1/30/2014	MW-11 3/20/2013	MW-15 1/30/2014	MW-16 1/29/2014	MW-16 DUP 1/29/2014
Atrazine	--		NA	NA	5.3 U	NA	5.2 U	NA	NA	NA
Benzaldehyde	--		NA	NA	5.3 U	NA	5.2 U	NA	NA	NA
Benzo[a]anthracene	0.002		18 D	0.2 U	1.1 U	0.2 U	1 U	2.2 D	0.08 J	0.1 J
Benzo[a]pyrene	0		14 D	0.2 U	1.1 U	0.2 U	1 U	1.7 D	0.2 U	0.2 U
Benzo[b]fluoranthene	0.002		16 D	0.2 U	1.1 U	0.2 U	1 U	2.6 D	0.2 U	0.2 U
Benzo[g,h,i]perylene	--		8.5 D	0.2 U	1.1 U	0.2 U	1 U	1.5 D	0.2 U	0.2 U
Benzo[k]fluoranthene	0.002		9.2 D	0.2 U	1.1 U	0.2 U	1 U	1.4 D	0.2 U	0.2 U
Benzoic Acid	--		1200 UD	50 U	NA	50 U	NA	65 U	50 U	50 U
Benzyl Alcohol	--		46 UD	2 U	NA	2 U	NA	2.6 U	2 U	2 U
Bis(2-chloroethoxy)methane	5		120 UD	5 U	2.1 U	5 U	2.1 U	6.5 U	5 U	5 U
Bis(2-chloroethyl) ether	--		46 UD	2 U	2.1 U	2 U	2.1 U	2.6 U	2 U	2 U
Bis(2-ethylhexyl) phthalate	5		29 JD	3 U	2.1 U	3 U	1.7 J	3.9 U	3 U	3 U
Butylbenzyl phthalate	50		120 UD	5 U	2.1 U	5 U	2.1 U	6.5 U	5 U	5 U
Caprolactam	--		NA	NA	2.1 U	NA	2.1 U	NA	NA	NA
Carbazole	--		46 UD	2 U	1.1 U	2 U	1 U	2.6 U	2 U	2 U
Chrysene	0.002		16 D	0.2 U	1.1 U	0.2 U	1 U	2.2 D	0.07 J	0.09 J
Dibenzo[a,h]anthracene	--		4.4 JD	0.2 U	1.1 U	0.2 U	1 U	0.39 JD	0.2 U	0.2 U
Dibenzofuran	--		46 UD	2 U	5.3 U	2 U	5.2 U	2.6 U	2 U	2 U
Diethyl phthalate	50		120 UD	5 U	2.1 U	5 U	2.1 U	6.5 U	5 U	5 U
Dimethyl phthalate	50		120 UD	5 U	2.1 U	5 U	2.1 U	6.5 U	5 U	5 U
Di-n-butyl phthalate	50		120 UD	5 U	2.1 U	5 U	2.1 U	6.5 U	5 U	5 U
Di-n-octyl phthalate	--		120 UD	5 U	2.1 U	5 U	2.1 U	6.5 U	5 U	5 U
Fluoranthene	50		55 D	0.2 U	1.1 U	0.2 U	1 U	5.6 D	0.42	0.48
Fluorene	50		14 D	0.2 U	1.1 U	0.2 U	1 U	1.2 D	0.2	0.13 J
Hexachlorobenzene	0.04		19 UD	0.8 U	1.1 U	0.8 U	1 U	2.1 UD	0.8 U	0.8 U
Hexachlorobutadiene	0.5		12 UD	0.5 U	1.1 U	0.5 U	1 U	1.3 UD	0.5 U	0.5 U
Hexachlorocyclopentadiene	5		460 UD	20 U	11 U	20 U	10 U	26 U	20 U	20 U
Hexachloroethane	5		19 UD	0.8 U	2.1 U	0.8 U	2.1 U	2.1 UD	0.8 U	0.8 U
Indeno[1,2,3-cd]pyrene	0.002		9.5 D	0.2 U	1.1 U	0.2 U	1 U	1.3 D	0.2 U	0.2 U
Isophorone	50		120 UD	5 U	2.1 U	5 U	2.1 U	6.5 U	5 U	5 U
Naphthalene	10		76 D	0.14 J	1.1 U	0.1 J	1 U	0.91 D	4.8	5.6
Nitrobenzene	0.4		46 UD	2 U	2.1 U	2 U	2.1 U	2.6 U	2 U	2 U

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York D R A F T

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-7/7R 1/30/2014	MW-10 1/30/2014	MW-10 3/20/2013	MW-11 1/30/2014	MW-11 3/20/2013	MW-15 1/30/2014	MW-16 1/29/2014	MW-16 DUP 1/29/2014
n-Nitrosodi-n-propylamine	--		120 UD	5 U	2.1 U	5 U	2.1 U	6.5 U	5 U	5 U
n-Nitrosodiphenylamine	50		46 UD	2 U	5.3 U	2 U	5.2 U	2.6 U	2 U	2 U
Pentachlorophenol	1		19 UD	0.8 U	11 U	0.8 U	10 U	2.1 UD	0.8 U	0.8 U
Phenanthrene	50		51 D	0.2 U	1.1 U	0.2 U	1 U	6.5 D	0.55	0.6
Phenol	1		120 UD	5 U	2.1 U	5 U	2.1 U	6.5 U	5 U	5 U
Pyrene	50		48 D	0.2 U	1.1 U	0.2 U	1 U	4.4 D	0.29	0.35

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York D R A F T

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-18 1/30/2014	MW-20 1/30/2014	MW-21 1/30/2014	MW-22 1/30/2014
1,1'-Biphenyl	--		2 U	2 U	2 U	2 U
1,2,4,5-Tetrachlorobenzene	--		10 U	10 U	10 U	10 U
2,2'-oxybis (1-chloropropane)	5		2 U	2 U	2 U	2 U
2,2'-oxybis (2-chloropropane)	--		NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	--		NA	NA	NA	NA
2,4,5-Trichlorophenol	--		5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	--		5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5		5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50		5 U	5 U	5 U	5 U
2,4-Dinitrophenol	10		20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5		5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5		5 U	5 U	5 U	5 U
2-Chloronaphthalene	10		0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	--		2 U	2 U	2 U	2 U
2-Methylnaphthalene	--		0.2 U	0.2 U	0.08 J	0.21
2-Methylphenol	--		5 U	5 U	5 U	5 U
2-Nitroaniline	5		5 U	5 U	5 U	5 U
2-Nitrophenol	--		10 U	10 U	10 U	10 U
3&4-Methylphenol	--		5 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	5		5 U	5 U	5 U	5 U
3-Nitroaniline	5		5 U	5 U	5 U	5 U
4,6-Dinitro-2-methylphenol	--		10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	--		2 U	2 U	2 U	2 U
4-Chloro-3-methylphenol	--		2 U	2 U	2 U	2 U
4-Chloroaniline	5		5 U	5 U	5 U	5 U
4-Chlorophenyl phenyl ether	--		2 U	2 U	2 U	2 U
4-Nitroaniline	5		5 U	5 U	5 U	5 U
4-Nitrophenol	--		10 U	10 U	10 U	10 U
Acenaphthene	20		2.2	0.12 J	0.07 J	0.26
Acenaphthylene	20		0.47	0.2 U	0.2 U	0.2 U
Acetophenone	--		5 U	5 U	5 U	5 U
Anthracene	50		0.14 J	0.2 U	0.2 U	0.09 J

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York D R A F T

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-18 1/30/2014	MW-20 1/30/2014	MW-21 1/30/2014	MW-22 1/30/2014
Atrazine	--		NA	NA	NA	NA
Benzaldehyde	--		NA	NA	NA	NA
Benzo[a]anthracene	0.002		0.2 U	0.2 U	0.2 U	0.08 J
Benzo[a]pyrene	0		0.2 U	0.2 U	0.2 U	0.2 U
Benzo[b]fluoranthene	0.002		0.2 U	0.2 U	0.2 U	0.2 U
Benzo[g,h,i]perylene	--		0.2 U	0.2 U	0.2 U	0.2 U
Benzo[k]fluoranthene	0.002		0.2 U	0.2 U	0.2 U	0.2 U
Benzoic Acid	--		50 U	50 U	12 J	50 U
Benzyl Alcohol	--		2 U	2 U	2 U	2 U
Bis(2-chloroethoxy)methane	5		5 U	5 U	5 U	5 U
Bis(2-chloroethyl) ether	--		2 U	2 U	2 U	2 U
Bis(2-ethylhexyl) phthalate	5		1 J	3 U	1.2 J	3 U
Butylbenzyl phthalate	50		5 U	5 U	5 U	5 U
Caprolactam	--		NA	NA	NA	NA
Carbazole	--		2 U	2 U	2 U	2 U
Chrysene	0.002		0.2 U	0.2 U	0.2 U	0.07 J
Dibenzo[a,h]anthracene	--		0.2 U	0.2 U	0.2 U	0.2 U
Dibenzofuran	--		1.1 J	2 U	2 U	2 U
Diethyl phthalate	50		5 U	5 U	5 U	5 U
Dimethyl phthalate	50		5 U	5 U	5 U	5 U
Di-n-butyl phthalate	50		5 U	5 U	5 U	5 U
Di-n-octyl phthalate	--		5 U	5 U	5 U	5 U
Fluoranthene	50		0.07 J	0.16 J	0.06 J	0.24
Fluorene	50		2.7	0.14 J	0.2 U	0.17 J
Hexachlorobenzene	0.04		0.8 U	0.8 U	0.8 U	0.8 U
Hexachlorobutadiene	0.5		0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5		20 U	20 U	20 U	20 U
Hexachloroethane	5		0.8 U	0.8 U	0.8 U	0.8 U
Indeno[1,2,3-cd]pyrene	0.002		0.2 U	0.2 U	0.2 U	0.2 U
Isophorone	50		5 U	5 U	5 U	5 U
Naphthalene	10		0.84	0.5	0.22	0.78
Nitrobenzene	0.4		2 U	2 U	2 U	2 U

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York D R A F T

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-18 1/30/2014	MW-20 1/30/2014	MW-21 1/30/2014	MW-22 1/30/2014
n-Nitrosodi-n-propylamine	--		5 U	5 U	5 U	5 U
n-Nitrosodiphenylamine	50		2 U	2 U	2 U	2 U
Pentachlorophenol	1		0.8 U	0.8 U	0.8 U	0.8 U
Phenanthrene	50		0.22	0.39	0.1 J	0.55
Phenol	1		5 U	5 U	5 U	5 U
Pyrene	50		0.07 J	0.12 J	0.2 U	0.2

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

Table 11. Summary of Metals in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-1/1R 3/20/2013	MW-1/1R DUP 3/20/2013	MW-2/2R 1/30/2014	MW-4 1/30/2014	MW-4 3/20/2013	MW-5 1/30/2014	MW-5 3/20/2013
Aluminum	--		200 U	200 U	116	41.1	200 U	196	200 U
Antimony	3		6 U	6 U	0.3 J	0.14 J	6 U	4 U	6 U
Arsenic	25		3 U	3 U	4.27	16.11	14.8	1.55 J	3 U
Barium	1000		200 U	200 U	318.9	174.4	200 U	119.9	200 U
Beryllium	3		1 U	1 U	0.5 U	0.5 U	1 U	2 U	1 U
Cadmium	5		3 U	3 U	0.2 U	0.2 U	3 U	0.8 U	3 U
Calcium	--		291000	299000	148000	75800	30300	190000	282000
Chromium	50		10 U	10 U	3.19	0.64 J	10 U	1.52 J	10 U
Cobalt	--		50 U	50 U	0.96	0.12 J	50 U	0.51 J	50 U
Copper	200		10 U	10 U	0.82 J	0.1 J	10 U	2.68 J	10 U
Iron	300		23700	24900	30700	22100	7800	5190	1590
Lead	25		15 UD	15 UD	1.03	2.9	3 U	2.58 J	3 U
Magnesium	--		190000	197000	28600	8650	5000 U	16000	24500
Manganese	300		1280	1270	6028	7530	2470	1378	620
Mercury	0.7		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100		50 UD	50 UD	2.2	0.28 J	10 U	2.06	10 U
Potassium	--		56100	57800	19200	9500	10000 U	10800	14900
Selenium	10		10 U	10 U	0.35 J	0.32 J	10 U	7.13 J	10 U
Silver	50		10 U	10 U	0.4 U	0.4 U	10 U	1.6 U	10 U
Sodium	20000		1620000 D	1640000 D	225000	88300	10000 U	706000	725000 D
Thallium	0.5		10 UD	10 UD	0.5 U	0.5 U	2 U	2 U	2 U
Vanadium	--		50 U	50 U	0.88 J	0.22 J	50 U	1.43 J	50 U
Zinc	2000		35.6	53	8.91 J	8.02 J	20 U	5.03 J	20 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

Table 11. Summary of Metals in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-7/7R 1/30/2014	MW-10 1/30/2014	MW-10 3/20/2013	MW-11 1/30/2014	MW-11 3/20/2013	MW-15 1/30/2014	MW-16 1/29/2014
Aluminum	--		3560	200 U	200 U	200 U	1850	1350	60.5
Antimony	3		0.83 J	3.25	60 UD	1.8	6 U	1.89	0.89 J
Arsenic	25		19.9	1.99	30 UD	0.55	3 U	5.75	1.28
Barium	1000		73.13	21.25	200 U	137	200 U	110	212.2
Beryllium	3		0.21 J	10 U	1 U	10 U	1 U	0.11 J	0.5 U
Cadmium	5		13.74	0.21	30 UD	0.2 U	3 U	0.09 J	0.2 U
Calcium	--		143000	259000	162000	250000	89400	128000	518000
Chromium	50		8.67	0.86 J	50 UD	1.39	10 U	5.31	1.68
Cobalt	--		4.7	0.5 U	500 UD	0.1 J	50 U	1.35	0.3 J
Copper	200		38.96	2.1	50 UD	0.51 J	10 U	21.42	0.23 J
Iron	300		17100	59.7	490	62	1290	2550	48400
Lead	25		31.99	0.43 J	30 UD	0.98 J	3 U	26.78	0.34 J
Magnesium	--		20200	397000	488000	410000	142000	16100	78200
Manganese	300		564	3.85	101 D	411.3	168	97.46	5378
Mercury	0.7		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100		15.38	0.93	100 UD	0.21 J	10 U	3.39	0.37 J
Potassium	--		19200	264000	160000	97000	48700	30600	49300
Selenium	10		2.18 J	1.13 J	100 UD	0.43 J	10 U	2.95 J	0.31 J
Silver	50		0.4 U	0.29 J	50 UD	0.23 J	10 U	0.4 U	0.31 J
Sodium	20000		174000	7700000	3850000 D	3280000	1300000 D	358000	816000
Thallium	0.5		0.08 J	0.5 U	20 UD	0.5 U	2 U	0.03 J	0.5 U
Vanadium	--		8.61	1.4 J	250 UD	2.56 J	50 U	8.2	1.36 J
Zinc	2000		493	28.69	200 UD	79.35	47	51.63	1.63 J

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

Table 11. Summary of Metals in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-16 DUP 1/29/2014	MW-18 1/30/2014	MW-20 1/30/2014	MW-21 1/30/2014	MW-22 1/30/2014
Aluminum	--		94.5	177	1120	2330	313
Antimony	3		0.73 J	0.15 J	0.5 J	8 U	1.43 J
Arsenic	25		1.29	20.53	1.95	5.96	13.53
Barium	1000		197.5	83.07	479.3	1018	103.9
Beryllium	3		0.5 U	0.5 U	0.5 U	4 U	5 U
Cadmium	5		0.2 U	0.2 U	0.2 U	1.6 U	2 U
Calcium	--		466000	39600	413000	331000	81700
Chromium	50		1.78	0.91 J	2.67	5.64 J	2.08 J
Cobalt	--		0.33 J	1.25	2.45	3.04 J	5 U
Copper	200		0.24 J	10.5	6.77	16.99	5.16 J
Iron	300		43300	12300	16200	71000	17300
Lead	25		0.54 J	0.85 J	7.7	6.44 J	9.81 J
Magnesium	--		71900	9720	65900	81400	9760
Manganese	300		4874	2012	3694	3012	11040
Mercury	0.7		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100		0.4 J	1.16	2.9	7.98	2.39 J
Potassium	--		46600	3580	20100	25100	9030
Selenium	10		0.35 J	5 U	9.68	4.55 J	3.13 J
Silver	50		0.29 J	0.4 U	0.4 U	3.2 U	4 U
Sodium	20000		755000	38400	446000	1790000	35000
Thallium	0.5		0.5 U	0.5 U	0.5 U	4 U	5 U
Vanadium	--		1.81 J	0.84 J	3.85 J	5.72 J	1.6 J
Zinc	2000		1.86 J	4.47 J	20.15	27.06 J	65.32 J

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.

Table 12. Summary of Polychlorinated Biphenyls in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York **D R A F T**

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-1/1R 3/20/2013	MW-1/1R DUP 3/20/2013	MW-4 3/20/2013	MW-5 3/20/2013	MW-7/7R 1/30/2014	MW-10 3/20/2013	MW-11 3/20/2013
Aroclor-1016	--		0.53 U	0.5 U	0.53 U	0.5 U	0.125 U	0.54 U	0.52 U
Aroclor-1221	--		0.53 U	0.5 U	0.53 U	0.5 U	0.125 U	0.54 U	0.52 U
Aroclor-1232	--		0.53 U	0.5 U	0.53 U	0.5 U	0.125 U	0.54 U	0.52 U
Aroclor-1242	--		0.53 U	0.5 U	0.53 U	0.5 U	0.125 U	0.54 U	0.52 U
Aroclor-1248	--		0.53 U	0.5 U	0.53 U	0.5 U	0.125 U	0.54 U	0.52 U
Aroclor-1254	--		0.53 U	0.5 U	0.53 U	0.5 U	0.125 U	0.54 U	0.52 U
Aroclor-1260	--		0.53 U	0.5 U	0.53 U	0.5 U	0.125 U	0.54 U	0.52 U
Aroclor-1262	--		0.53 U	0.5 U	0.53 U	0.5 U	0.125 U	0.54 U	0.52 U
Aroclor-1268	--		0.53 U	0.5 U	0.53 U	0.5 U	0.125 U	0.54 U	0.52 U
Total PCBs	0.09		0	0	0	0	0	0	0

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

PCBs - Polychlorinated Biphenyls

Table 12. Summary of Polychlorinated Biphenyls in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-18 1/30/2014	MW-20 1/30/2014	MW-22 1/30/2014
Aroclor-1016	--		0.083 U	0.083 U	0.083 U
Aroclor-1221	--		0.083 U	0.083 U	0.083 U
Aroclor-1232	--		0.083 U	0.083 U	0.083 U
Aroclor-1242	--		0.083 U	0.083 U	0.083 U
Aroclor-1248	--		0.083 U	0.083 U	0.083 U
Aroclor-1254	--		0.083 U	0.083 U	0.083 U
Aroclor-1260	--		0.083 U	0.083 U	0.083 U
Aroclor-1262	--		0.083 U	0.083 U	0.083 U
Aroclor-1268	--		0.083 U	0.083 U	0.083 U
Total PCBs	0.09		0	0	0

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

PCBs - Polychlorinated Biphenyls

Table 13. Summary of Pesticides in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-1/1R 3/20/2013	MW-1/1R DUP 3/20/2013	MW-4 3/20/2013	MW-5 3/20/2013	MW-7/7R 1/30/2014	MW-10 3/20/2013	MW-11 3/20/2013
4,4'-DDD	0.3		0.011 U	0.01 U	0.011 U	0.01 U	0.044 U	0.011 U	0.01 U
4,4'-DDE	0.2		0.011 U	0.01 U	0.011 U	0.01 U	0.044 U	0.011 U	0.01 U
4,4'-DDT	0.2		0.011 U	0.01 U	0.011 U	0.01 U	0.044 U	0.011 U	0.01 U
Aldrin	0		0.011 U	0.01 U	0.011 U	0.01 U	0.022 U	0.011 U	0.01 U
alpha-BHC	--		0.011 U	0.01 U	0.011 U	0.01 U	0.022 U	0.011 U	0.01 U
alpha-Chlordane	--		0.011 U	0.01 U	0.011 U	0.01 U	0.022 U	0.011 U	0.01 U
beta-BHC	--		0.011 U	0.01 U	0.011 U	0.01 U	0.022 U	0.011 U	0.01 U
Chlordane	0.05		NA	NA	NA	NA	0.222 U	NA	NA
delta-BHC	--		0.011 U	0.01 U	0.011 U	0.01 U	0.022 U	0.011 U	0.01 U
Dieldrin	0.004		0.011 U	0.01 U	0.011 U	0.01 U	0.044 U	0.011 U	0.01 U
Endosulfan I	--		0.011 U	0.01 U	0.011 U	0.01 U	0.022 U	0.011 U	0.01 U
Endosulfan II	--		0.011 U	0.01 U	0.011 U	0.01 U	0.044 U	0.011 U	0.01 U
Endosulfan sulfate	--		0.011 U	0.01 U	0.011 U	0.01 U	0.044 U	0.011 U	0.01 U
Endrin aldehyde	5		0.011 U	0.01 U	0.011 U	0.01 U	NA	0.011 U	0.01 U
Endrin ketone	--		0.011 U	0.01 U	0.011 U	0.01 U	0.044 U	0.011 U	0.01 U
Endrin	0		0.011 U	0.01 U	0.011 U	0.01 U	0.044 U	0.011 U	0.01 U
gamma-BHC (Lindane)	--		0.011 U	0.01 U	0.011 U	0.01 U	0.022 U	0.011 U	0.01 U
gamma-Chlordane	0		0.011 U	0.01 U	0.011 U	0.01 U	0.022 U	0.011 U	0.01 U
Heptachlor epoxide	0.03		0.011 U	0.01 U	0.011 U	0.01 U	0.022 U	0.011 U	0.01 U
Heptachlor	0.04		0.011 U	0.01 U	0.011 U	0.01 U	0.022 U	0.011 U	0.01 U
Methoxychlor	35		0.021 U	0.02 U	0.021 U	0.02 U	0.222 U	0.022 U	0.021 U
Toxaphene	0.06		0.26 U	0.25 U	0.26 U	0.25 U	0.222 U	0.27 U	0.26 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

Table 13. Summary of Pesticides in Groundwater, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-18 1/30/2014	MW-20 1/30/2014	MW-22 1/30/2014
4,4'-DDD	0.3		0.040 U	0.040 U	0.040 U
4,4'-DDE	0.2		0.040 U	0.040 U	0.040 U
4,4'-DDT	0.2		0.040 U	0.014 J	0.040 U
Aldrin	0		0.020 U	0.020 U	0.020 U
alpha-BHC	--		0.020 U	0.020 U	0.020 U
alpha-Chlordane	--		0.020 U	0.020 U	0.020 U
beta-BHC	--		0.020 U	0.020 U	0.020 U
Chlordane	0.05		0.200 U	0.200 U	0.200 U
delta-BHC	--		0.020 U	0.020 U	0.020 U
Dieldrin	0.004		0.040 U	0.040 U	0.040 U
Endosulfan I	--		0.020 U	0.020 U	0.020 U
Endosulfan II	--		0.040 U	0.040 U	0.040 U
Endosulfan sulfate	--		0.040 U	0.040 U	0.040 U
Endrin aldehyde	5		NA	NA	NA
Endrin ketone	--		0.040 U	0.040 U	0.040 U
Endrin	0		0.040 U	0.040 U	0.040 U
gamma-BHC (Lindane)	--		0.020 U	0.020 U	0.020 U
gamma-Chlordane	0		0.020 U	0.020 U	0.020 U
Heptachlor epoxide	0.03		0.020 U	0.020 U	0.020 U
Heptachlor	0.04		0.020 U	0.020 U	0.020 U
Methoxychlor	35		0.200 U	0.200 U	0.200 U
Toxaphene	0.06		0.200 U	0.200 U	0.200 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

Table 14. Summary of LNAPL Fingerprinting Analysis, Former Paragon Paint Manufacturing Facility, Long Island City, New York

D R A F T

Tank ID	Flash point (°F)	Density (g/ml)	Viscosity (cS)	Cyanide Reactivity (mg/kg)	Sulfide Reactivity (mg/kg)	Corrosivity (pH)	Fingerprinting analysis
CT-1 ¹	NA	NA	NA	NA	NA	NA	diesel/fuel oil
CT-4 ¹	NA	NA	NA	NA	NA	NA	mineral spirits
CT-8	198	0.81	NA ²	<1.5	<50	7.0	diesel/fuel oil (degraded)
GT-1	NA	NA	NA	NA	NA	NA	aqueous
GT-2	111	0.76	1.2	<1.5	<50	4.3	mineral spirits
GT-6	164	0.78	NA ²	<1.5	<50	3.3	40/60 mixture (mineral spirits/linseed oil)
GT-8	>230	0.97	358	<1.5	<50	3.6	linseed oil
GT-10	134	0.75	NA ²	<1.5	<50	3.9	70/30 mixture (mineral spirits/linseed oil)
GT-11	NA	NA	NA	NA	NA	NA	aqueous sample
MW-3 ¹	169	NA	NA	NA	NA	NA	severely degraded diesel/No. 2 fuel oil
MW-6R	115	0.78	1.2	<1.5	<50	6.8	mineral spirits
MW-8	NA	NA	NA	NA	NA	NA	mineral spirits
MW-9	NA	NA	NA	NA	NA	NA	mineral spirits with traces of degraded #2 fuel oil
MW-12	110	0.78	1.2	<1.5	<50	5.9	mineral spirits
MW-13	NA	NA	NA	NA	NA	NA	mineral spirits
MW-17	114	0.79	1.2	<1.5	<50	6.4	mineral spirits
MW-23	123	0.78	2.5	<1.5	<50	6.7	mineral spirits

Notes:

LNAPL - light non-aqueous phase liquid

°F - degrees Fahrenheit

g/ml - grams per milliliter

cS - centistokes

mg/kg - milligrams per kilogram

ft - feet

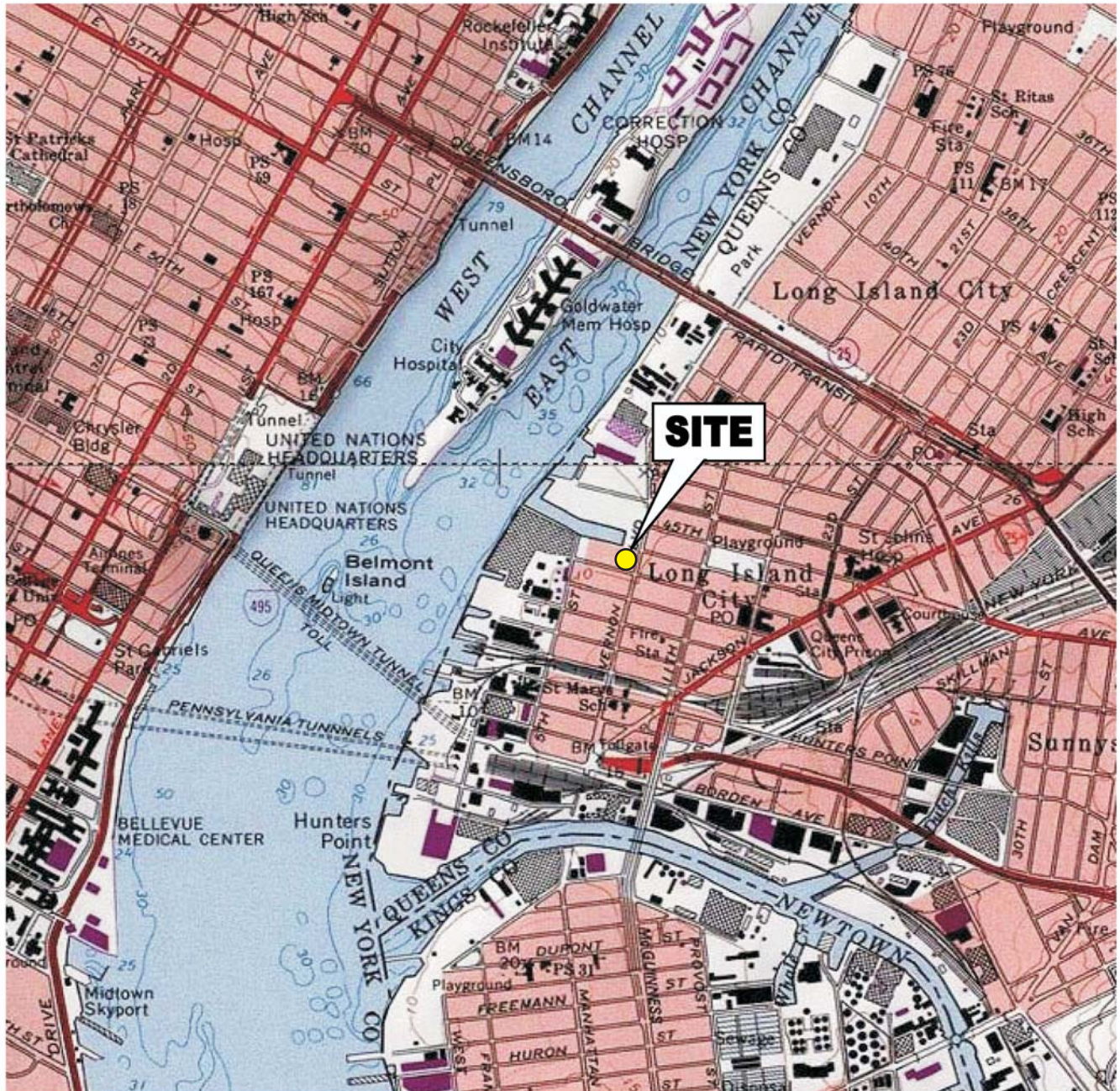
NA - not analyzed

¹ - due to sample depletion at the laboratory only fingerprinting analysis could be performed

² - analysis not performed due to difficult matrices

FIGURES

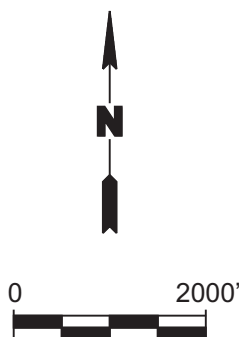
1. Site Location Map
2. Site Plan
3. Groundwater Elevation Map March 20, 2013 (Outgoing Tide)
4. Groundwater Elevation Map March 14, 2014 (Incoming Tide)
5. Measured or Apparent LNAPL Thickness March 14, 2014



QUADRANGLE LOCATION



SOURCE:
USGS; 1995, Central Park & Brooklyn
7.5 Minute Topographic Quadrangle



Title:

SITE LOCATION MAP

FORMER PARAGON PAINT AND VARNISH
COMPANY MANUFACTURING FACILITY
5-49 46TH AVENUE & 45-40 VERNON BOULEVARD
LONG ISLAND CITY, NEW YORK

Prepared for:

VERNON 4540 REALTY LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

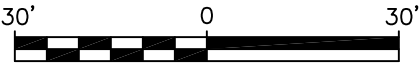
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Prepared by: B.H.C.	Scale: AS SHOWN
Project Mgr.: R.M.	Project No.: 2051.0001Y000
File: 2051.0001Y144.04.CDR	

FIGURE

1

LEGEND

- B-6 SOIL BORING LOCATION AND DESIGNATION
- MW-5 MONITORING WELL LOCATION AND DESIGNATION
- PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF UNDERGROUND STORAGE TANK (UST)
- APPROXIMATE LOCATION OF DISHED UNDERGROUND STORAGE TANK
- APPROXIMATE LOCATION OF UNDERGROUND VARNISH COOKING POT
- A-A' LINE OF GEOLOGIC CROSS SECTION



Title:

SITE PLAN

Former Paragon Paint & Varnish Factory
Long Island City, New York

Prepared For:

VERNON 4540 REALTY LLC

ROUX

ROUX ASSOCIATES, INC.

Environmental Consulting & Management

Compiled by: R.M.

Prepared by: B.H.C.

Project Mgr: R.M.

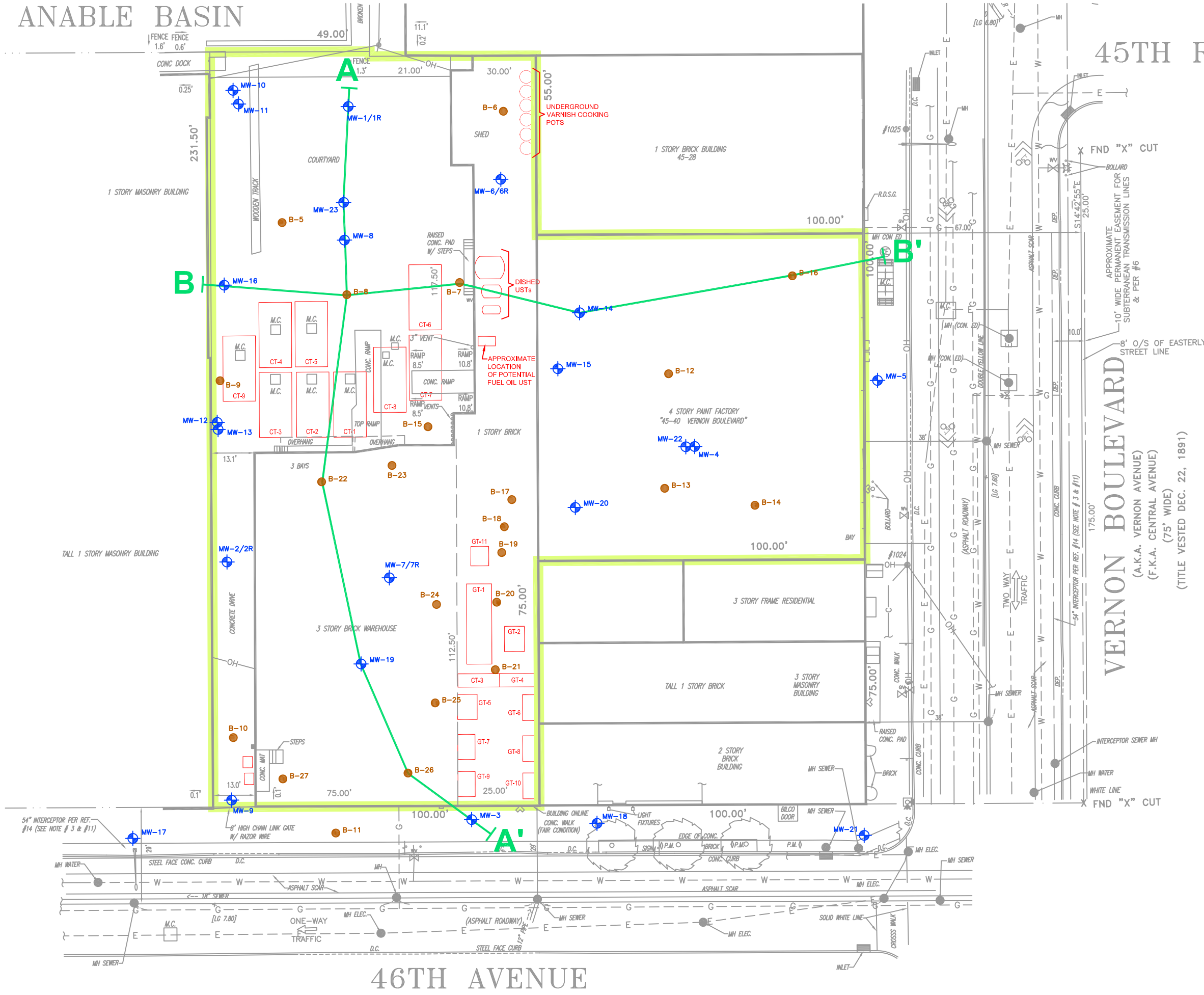
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Project: 2051.0001Y000

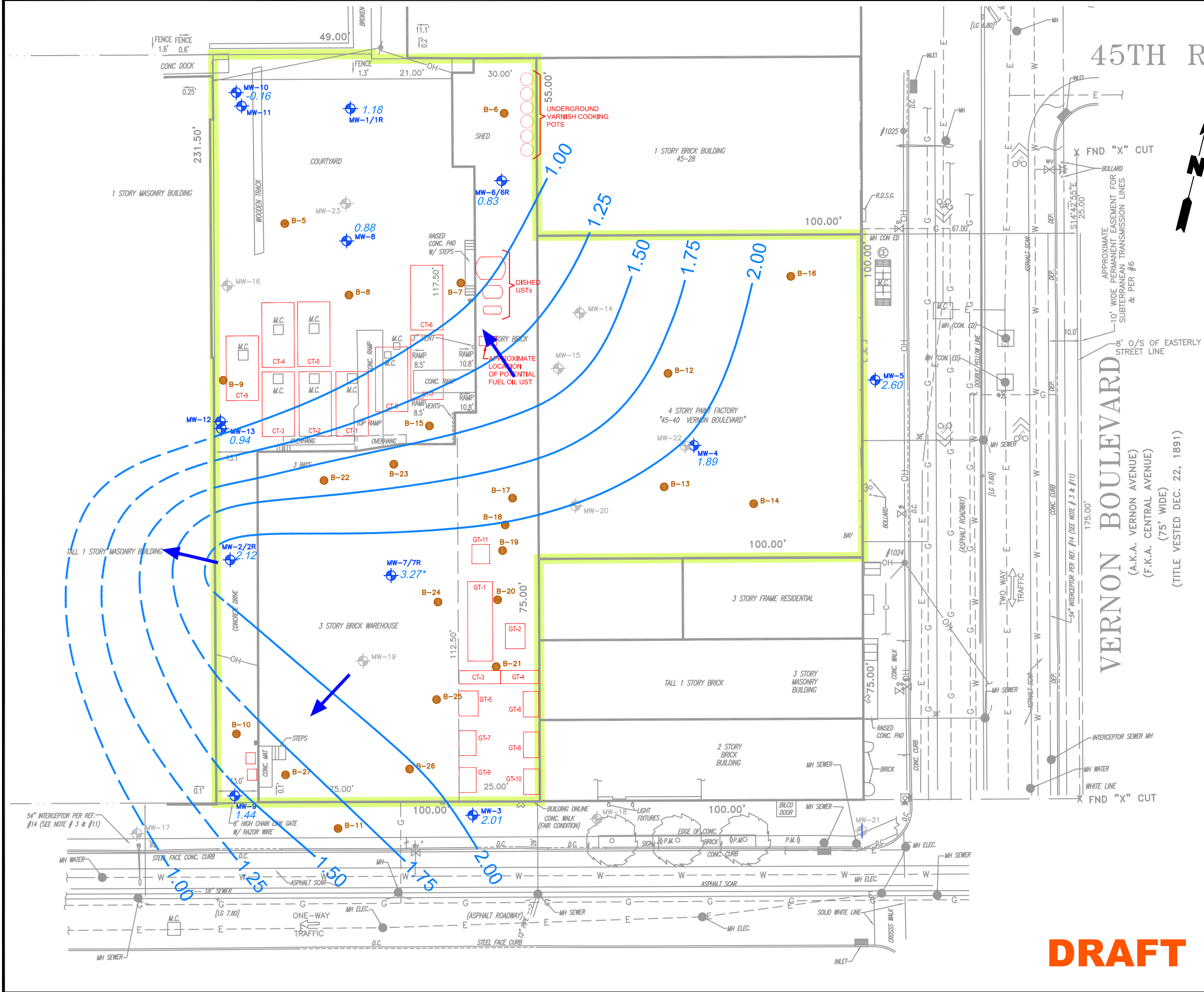
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FIGURE
2



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DRAFT

LEGEND

SOIL BORING LOCATION AND DESIGNATION

MONITORING WELL LOCATION AND DESIGNATION

MONITORING WELL LOCATION AND DESIGNATION INSTALLED AT A LATER DATE

2.60 CORRECTED GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)

3.27* MEASUREMENT NOT USED IN CONTOURING

1.00 LINE OF EQUAL GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)(DASHED WHERE INFERRED)

APPROXIMATE GROUNDWATER FLOW DIRECTION

PROPERTY BOUNDARY

APPROXIMATE LOCATION OF UNDERGROUND STORAGE TANK (UST)

APPROXIMATE LOCATION OF DISHED UNDERGROUND STORAGE TANK

APPROXIMATE LOCATION OF UNDERGROUND VARNISH COOKING POT

NOTE:

1. GROUNDWATER ELEVATIONS WERE CORRECTED FOR THE PRESENCE OF LIGHT NON-AQUEOUS PHASE LIQUID (LNAPL) WHERE APPLICABLE.

Title:

GROUNDWATER ELEVATION AND CONTOUR MAP
MARCH 20, 2013 (OUTGOING TIDE)
FORMER PARAGON PAINT & VARNISH FACTORY
LONG ISLAND CITY, NEW YORK

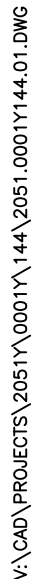
Prepared For:

VERNON 4540 REALTY LLC

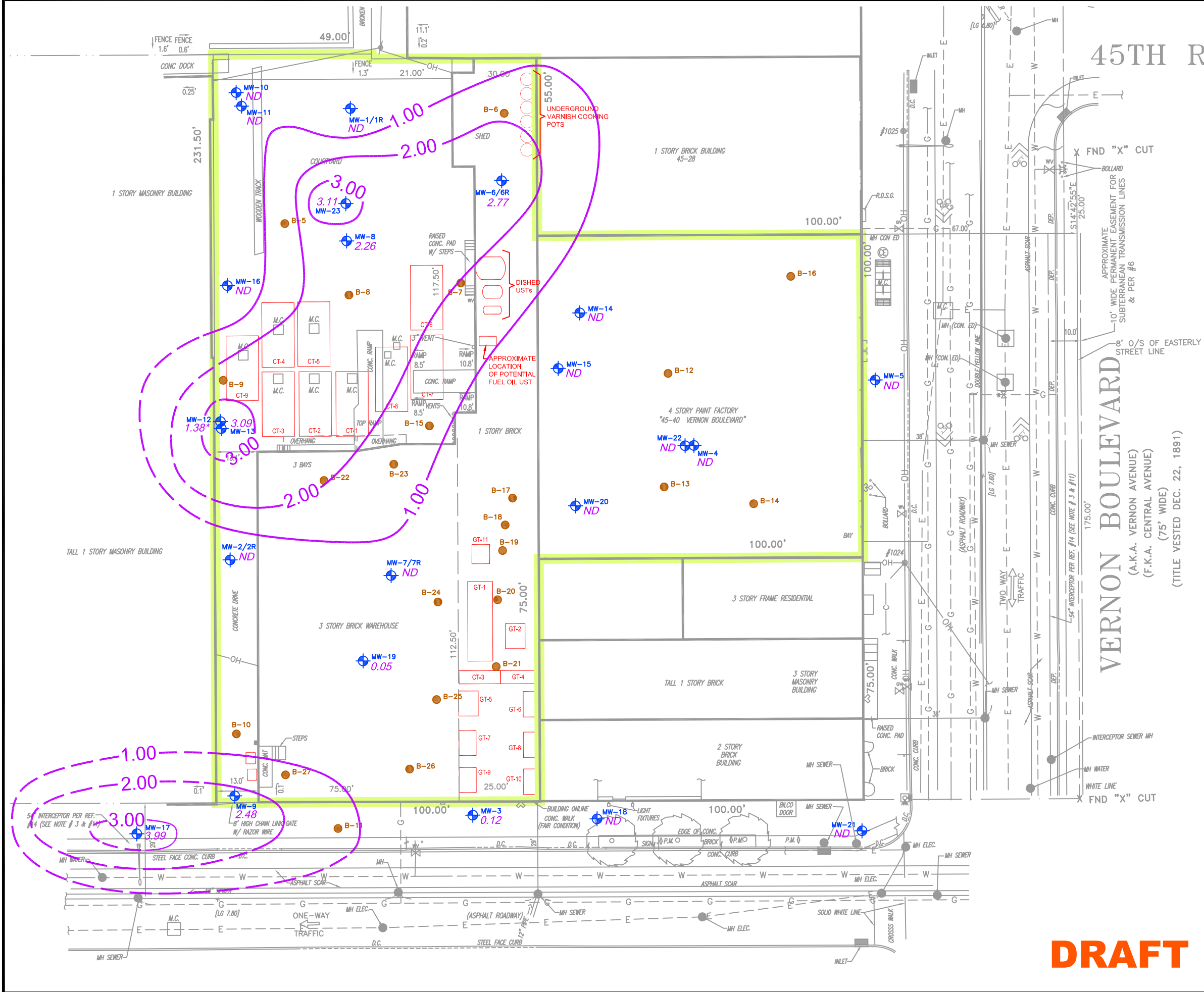
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Prepared by: B.H.C. Scale: AS SHOWN
Project Mgr: R.M. Project: 2051.0001Y000
File: 2051.0001Y144.03.DWG

FIGURE

3



V:\CAD\PROJECTS\2051Y\0001Y\144\2051.0001Y144.01.DWG



DRAFT

- LEGEND**
- B-6 SOIL BORING LOCATION AND DESIGNATION
 - MW-5 MONITORING WELL LOCATION AND DESIGNATION
 - 0.12 LNAPL THICKNESS (FEET)
 - 1.38* MEASUREMENT NOT USED IN CONTOURING
 - ND LNAPL NOT DETECTED
 - 1.00 LINE OF EQUAL LNAPL THICKNESS (FEET) (DASHED CONTOURS ARE INFERRED BASED ON LIMITED DATA)
 - PROPERTY BOUNDARY
 - LNAPL LIGHT NON-AQUEOUS PHASE LIQUID
 - APPROXIMATE LOCATION OF UNDERGROUND STORAGE TANK (UST)
 - APPROXIMATE LOCATION OF DISHD UNDERGROUND STORAGE TANK
 - APPROXIMATE LOCATION OF UNDERGROUND VARNISH COOKING POT

Title: **MEASURED OR APPARENT LNAPL THICKNESS MARCH 14, 2014**
FORMER PARAGON PAINT & VARNISH FACTORY
LONG ISLAND CITY, NEW YORK

Prepared For: **VERNON 4540 REALTY LLC**

 ROUX ASSOCIATES, INC. Environmental Consulting & Management	Compiled by: R.M.	Date: 29APR14	FIGURE 5
	Prepared by: B.H.C.	Scale: AS SHOWN	
	Project Mgr: R.M.	Project: 2051.0001Y000	
	File: 2051.0001Y144.01.DWG		

- A. Photo Log
- B. Soil Boring Monitoring Well Construction Logs
- C. Data Usability Summary Report
- D. Groundwater Sampling Logs

Photo Log



Photograph 1: Underground cooking pot structure made of concrete.



Photograph 2: Underground cooking pot structure made of brick.

Soil Boring Monitoring Well
Construction Logs



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SOIL BORING LOG

WELL NO. B-5	NORTHING Not Measured	EASTING Not Measured		
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish		LOCATION 5-49 46th Avenue Long Island City, New York		
APPROVED BY R.Maxwell	LOGGED BY J.Wills			
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M		GEOGRAPHIC AREA Queens County		
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 12/31/13-12/31/13
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	BACKFILL Bentonite		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			Hand cleared to 5 feet bls. Sample B-5/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
		FILL (Dark grey, medium to coarse SAND and GRAVEL, some Ash, little Cobble, Brick and Asphalt debris, trace silt; moist)		0.2	
		FILL (Dark grey, fine to medium SAND and SILT, some Gravel, little Brick, Ash and Clay; very moist)		5.6	
		FILL (Dark grey, fine to medium SAND and SILT, some Gravel, little Brick, Ash and Clay; wet)		11.2	Sample B-5/3-5 collected for TCL VOCs, TCL SVOCs and TAL Metals.
5				15	3 foot recovery.
		Greyish brown, fine SAND and SILT, little Peat; wet		361	
10		Dark brown to brown, fine SAND, little Silt; wet		796	3.5 foot recovery. Sample B-5/10-12 collected for TCL VOCs, TCL SVOCs and TAL Metals.
				40	1 foot recovery. Sample B-5/15-16 collected for TCL VOCs, TCL SVOCs and TAL Metals.
15		Brown, fine to medium SAND and SILT, little Gravel and coarse Sand; wet		11.6	Encountered refusal (possible bedrock) at 16 feet bls.

BORING/FEET 2051.0001Y000.GPJ ROUX.GDT 4/22/14



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SOIL BORING LOG

WELL NO. B-6	NORTHING 211659	EASTING 997269.3
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue Long Island City, New York	
APPROVED BY R.Maxwell	LOGGED BY J.Wills	
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION 12.10(FT.)	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
	BACKFILL Bentonite	START-FINISH DATE 12/31/13-1/17/14

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			Hand cleared to 3 feet bls. Sample B-6/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals. Concrete slab (former grade) encountered at 3 feet bls.
		FILL (Brown, fine to coarse SAND and GRAVEL, some Cobble and Brick, little Silt and Concrete fragments; moist)		0.4	
		CONCRETE			2 foot recovery. Break through concrete slab (former grade) encountered at 3 feet bls.
5		FILL (Dark brown, medium to coarse SAND, some fine Sand and Silt, trace brick and gravel; dry)		17.9	
				1190	3 foot recovery.
					Sample B-6/7-9 collected for TCL VOCs, TCL SVOCs and TAL Metals
				1137	3 foot recovery.
10		Dark brown, fine SAND and SILT; moist		729	
		Dark grey, fine SAND and SILT, trace gravel; wet		948	2 foot recovery. Sample B-6/12-14 collected for TCL VOCs, TCL SVOCs and TAL Metals.
15		Dark grey, medium to coarse SAND, some fine Sand and Silt, little Gravel; wet		945	2 foot recovery.
					Sample B-6/16-18 collected for TCL VOCs, TCL SVOCs and TAL Metals.
					Refusal (possible bedrock) encountered at 18 feet bls.

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SOIL BORING LOG

WELL NO. B-7	NORTHING Not Measured	EASTING Not Measured		
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish		LOCATION 5-49 46th Avenue Long Island City, New York		
APPROVED BY R.Maxwell	LOGGED BY J.Wills			
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M		GEOGRAPHIC AREA Queens County		
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 12/30/13-12/30/13
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	BACKFILL Bentonite		

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SOIL BORING LOG

WELL NO. B-8	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY J.Wills	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
	BACKFILL Bentonite	START-FINISH DATE 12/30/13-12/30/13

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			Hand cleared to 5 feet bls. Sample B-8/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
1		FILL (Dark brown, fine SAND, little Silt, medium to coarse Sand and Gravel, trace metal, brick and concrete fragments; moist)		156	1
2					2
3					3
4					4
5		FILL (Dark brown, fine SAND, little Silt, medium to coarse Sand and Gravel, Brick and Cobble; moist)		152	5
6				91	6
7					7
8		FILL (Dark grey to black, fine SAND, little Silt, medium to coarse Sand and Gravel, trace cobble; moist)		389	8
9					9
10				770	10
11					1 foot recovery. Concrete refusal encountered at 11 feet bls.

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SOIL BORING LOG

WELL NO. B-9	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY J.Wills	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
	BACKFILL Bentonite	START-FINISH DATE 12/16/13-12/16/13

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			Hand cleared to 5 feet bls.
		FILL (Brown to dark brown, fine to medium SAND, some Silt, little Gravel and coarse Sand, trace brick; moist)		0.0	Sample B-9/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
				4.7	
5					
				19.6	4 foot Recovery. Sample B-9/5-7 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
				633	Sample B-9/7-9 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
		Dark grey, fine SAND, some Silt, little medium Sand, trace coarse sand and gravel; wet			
				63	
10		Dark brown, SILTY PEAT; very moist			
		Dark brown, fine SAND and SILT, some PEAT; very moist		440	4 foot Recovery.
				347	
		Brown to reddish brown, fine SAND, little Silt; wet			
15					
		Dark grey, fine SAND, little Silt; wet		610	4.5 foot Recovery.
				180	Sample B-9/19-20 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides. Refusal encountered at 20 feet bls.
		Dark brown, fine SAND, little Silt and Gravel; wet		400	
		Dark brown, fine to medium SAND, some Silt, little Gravel and coarse Sand; wet			
20					

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SOIL BORING LOG

WELL NO. B-10	NORTHING 211493.6	EASTING 997141.3
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY J.Wills	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION 9.38(FT.)	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
	BACKFILL Bentonite	START-FINISH DATE 12/20/13-12/20/13

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			Hand cleared to 5 feet bls. Sample B-10/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
0.2		FILL (Dark brown, fine to medium SAND, some Silt and Gravel, little coarse Sand, Brick and Metal; moist)			
7.1		FILL (Dark grey, fine to medium SAND, some Silt and Gravel, little coarse Sand, and Brick; moist)			
5.5		Dark brown, SILTY PEAT; very moist			
150		Dark grey, fine SAND some Silt, little Peat, trace medium to coarse sand; wet			3.2 foot recovery. Sample B-10/5-7 collected for TCL VOCs, TCL SVOCs and TAL Metals.
70		Dark reddish brown, fine SAND, little Silt; wet			
133					
1200					4 foot recovery. Sample B-10/10-12 collected for TCL VOCs, TCL SVOCs and TAL Metals.
1094					
602					3 foot recovery.
712					Sample B-10/17.5-18 collected for TCL VOCs, TCL SVOCs and TAL Metals.
20		Brown to dark brown, SILT, some fine to medium Sand, little coarse Sand and Gravel; wet			Refusal (possible bedrock) encountered at 18 feet bls.

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SOIL BORING LOG

WELL NO. B-11	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue Long Island City, New York	
APPROVED BY R.Maxwell	LOGGED BY R.Lombino	
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
	BACKFILL Bentonite	START-FINISH DATE 1/2/14-1/6/14

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			
		FILL (Dark brown, fine SAND & SILT, little medium to coarse Sand, trace gravel; dry)		0.1	Hand cleared to 5 feet bls. Sample B-11/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
		FILL (Dark brown, fine SAND & SILT, little medium to coarse Sand, trace brick; dry)		0.1	
				0.1	
5		Dark grey, fine to medium SAND, some coarse Sand, little Gravel & Silt; moist		15000	1.5 foot recovery Staining & odor.
10		Dark grey to light brown, fine SAND & SILT, trace gravel; wet		15000	5 foot recovery. Staining & odor.
		Light brown, fine SAND & SILT; wet		15000	Sample B-11/11-13 collected for TCL VOCs, TCL SVOCs and TAL Metals.
		Dark grey, fine SAND & SILT; wet		667.3	
15		Dark grey, fine SAND & SILT, trace gravel; wet		2982	3 foot recovery. Sample B-11/15-17 collected for TCL VOCs, TCL SVOCs and TAL Metals. Refusal (possible bedrock) encountered at 17 feet bls.

BORING/FEET 2051.0001Y000.GPJ ROUX.GDT 4/22/14



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SOIL BORING LOG

WELL NO. B-12	NORTHING 211568.5	EASTING 997298.4
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY J.Wills/R. Lombino	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION 12.03(FT.)	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
	BACKFILL Bentonite	START-FINISH DATE 12/19/13-1/15/14

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			
		FILL (Brown, fine to medium SAND, some Silt, trace coarse sand and gravel; moist)		0.0	Hand cleared to 6 feet bls. Sample B-12/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
		FILL (Dark grey, fine to coarse SAND, little Silt, Ash, Gravel and (white) clay-like material; moist)		0.0	
				0.0	
5					5
		FILL (Dark brown, fine SAND, some Silt, little Gravel, trace concrete; dry)		470	1 foot recovery. Sample B-12/7-9 collected for TCL VOCs, TCL SVOCs and TAL Metals.
				78.1	2 foot recovery.
10					10
		Dark brown to dark grey, fine SAND, some Silt; wet		40.9	
		Dark brown to dark grey, fine SAND and SILT, trace gravel; wet		15000	2.5 foot recovery. Sample B-12/12-14 collected for TCL VOCs, TCL SVOCs and TAL Metals.
				15000	
15		Dark grey, fine SAND and SILT; wet		15000	2.5 foot recovery.
		Dark brown, fine SAND, some Silt; wet		15000	
		Dark brown, medium to coarse SAND, some fine Sand, little Silt; moist		15000	3 foot recovery.
20					20
		Dark reddish-brown, compact fine SAND and SILT; dry		15000	1.5 foot recovery. Sample B-12/21-22.5 collected for TCL VOCs, TCL SVOCs and TAL Metals.
					Refusal (possible bedrock) encountered at 22.5 feet bls.

BORING/FEET 2051.0001Y000.GPJ ROUX.GDT 4/22/14



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SOIL BORING LOG

WELL NO. B-13	NORTHING 211534.7	EASTING 997288.5
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY J.Wills/R. Lombino	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION 11.95(FT.)	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
	BACKFILL Bentonite	START-FINISH DATE 12/19/13-1/15/14

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			
		FILL (Brown, fine to medium SAND, some Silt, little Gravel; moist)		0.0	Hand cleared to 6 feet bls. Sample B-13/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
		FILL (Dark grey, fine to coarse SAND, some Gravel, little Ash, Slag and Silt; moist)		0.0	
5				0.1	
		Dark brown, fine SAND and SILT; moist		15000	1.5 foot recovery. Sample B-13/7-9 collected for TCL VOCs, TCL SVOCs and TAL Metals.
10		Dark brown to dark grey, fine SAND and SILT, trace gravel; wet		15000	1 foot recovery. Sample B-13/10-12 collected for TCL VOCs, TCL SVOCs and TAL Metals.
		Dark brown to grey, fine SAND and SILT, trace gravel; wet		352.6	2.5 foot recovery.
		Dark grey, fine SAND, some Silt, trace gravel; wet		15000	Strong odor.
15				15000	2.5 foot recovery. Sample B-13/16-18 collected for TCL VOCs, TCL SVOCs and TAL Metals.
					Refusal (possible bedrock) encountered at 18 feet bls.

BORING/FEET 2051.0001Y000.GPJ ROUX.GDT 4/22/14



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SOIL BORING LOG

WELL NO. B-14	NORTHING 211522.79129	EASTING 997313.99255
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY J.Wills/R. Lombino	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION 11.93(FT.)	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
	BACKFILL Bentonite	START-FINISH DATE 12/19/13-1/15/14

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			
		FILL (Brown, fine to medium SAND, some Silt, little coarse Sand and Gravel, trace brick and glass; moist)		0.2	Hand cleared to 6 feet bls. Sample B-14/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
		FILL (Dark grey, fine to coarse SAND and GRAVEL, little Ash, Slag, Silt, Cobble and Brick; moist)		0.1	
				0.1	
5					5
		Dark brown, fine SAND and SILT, trace gravel; moist		126.9	1.5 foot recovery. Sample B-14/7-9 collected for TCL VOCs, TCL SVOCs and TAL Metals.
		Dark brown, fine SAND and SILT; wet		377.8	2 foot recovery. Sample B-14/10-12 collected for TCL VOCs, TCL SVOCs and TAL Metals.
10					10
		Dark grey, fine SAND, some Silt; wet		29.2	2 foot recovery.
				672.8	
15					15
		Dark brown, compact SILT with GRAVEL, some fine Sand; moist		49.1	2.5 foot recovery.
				382.4	0.5 foot recovery. Sample B-14/17-18.5 collected for TCL VOCs, TCL SVOCs and TAL Metals.
				45	Refusal (possible bedrock) encountered at 18.5 feet bls.

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SOIL BORING LOG

WELL NO. B-15	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY J.Wills/R.Lombino	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
	BACKFILL Bentonite	START-FINISH DATE 12/31/12-1/10/14

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			Hand cleared to 5 feet bls. Sample B-15/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
1		FILL (Brown, fine to medium SAND, some Silt, little coarse Sand, Gravel, Cobble and Brick; moist)		0.4	1
2		FILL (Brown to dark brown, fine SAND, some Silt, little medium to coarse Sand and Gravel, trace brick; moist)		0.2	2
3					3
4				0.2	4
5		FILL (Dark brown, fine SAND, some Silt, trace gravel and coarse sand; dry)		1645	5
6					6
7		FILL (Dark brown to dark grey, fine SAND, some Silt, trace gravel; wet)		15000	7
8					8
9				15000	9
10		FILL (Dark brown to dark grey, fine SAND, some Silt, little Gravel, trace wood; wet)		15000	10
11					11

BORING/FEET 2051.0001Y000.GPJ ROUX.GDT 4/22/14



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SOIL BORING LOG

WELL NO. B-16		NORTHING 211588.09813		EASTING 997342.62706	
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish		LOCATION 5-49 46th Avenue Long Island City, New York			
APPROVED BY R.Maxwell	LOGGED BY J.Wills/R.Lombino				
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M		GEOGRAPHIC AREA Queens County			
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 12/19/13-1/16/14	
LAND SURFACE ELEVATION 12.01(FT.)	DEPTH TO WATER Not Measured	BACKFILL Bentonite			

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			Hand cleared to 6 feet bls.
		FILL (Brown, fine SAND, some Silt, little medium Sand, trace gravel; moist)		0.0	Sample B-16/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
		FILL (Dark grey, fine to coarse SAND, some Gravel, little Ash, Slag, Silt and Brick; moist)		0.0	
				0.0	
5				0.0	
		FILL (Dark grey, fine SAND, some Silt, little Gravel, trace concrete; dry)		21.1	2.5 foot recovery. Sample B-16/7-9 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
				25.6	
		Dark brown, fine SAND, some Silt, moist			
10		Dark brown, fine SAND and SILT; wet		73.8	2 foot recovery. Sample B-16/10-12 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
				18.5	1 foot recovery.
15					
		Dark brown, fine SAND, some Silt, little medium to coarse Sand, trace gravel; wet		71.8	1 foot recovery.
		Dark brown, fine SAND and SILT, little medium to coarse Sand, trace gravel; wet		30.7	1.5 foot recovery. Sample B-16/18-20 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
20					Refusal (possible bedrock) encountered at 20 feet bls.

BORING/FEET 2051.0001Y000.GPJ ROUX.GDT 4/22/14



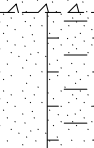
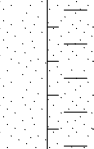
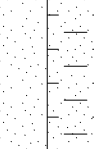
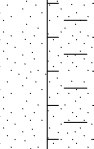
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SOIL BORING LOG

WELL NO. B-17	NORTHING 211543.05326	EASTING 997242.19216
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue Long Island City, New York	
APPROVED BY R.Maxwell	LOGGED BY R.Lombino	
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION 9.62(FT.)	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
	BACKFILL Bentonite	START-FINISH DATE 1/20/14-1/20/14

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
1		Reinforced CONCRETE			Hand cleared to 6 feet bls. Sample B-17/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
2		FILL (Dark brown, medium to coarse SAND, some fine Sand and Silt, little Gravel and Concrete; dry)		6.1	
3					
4					
5					
6		Dark brown to dark grey, fine SAND and SILT, little medium to coarse Sand; wet			
7					
8					
9					Concrete refusal encountered at 9 feet bls.

BORING/FEET 2051.0001Y000.GPJ ROUX.GDT 4/22/14



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SOIL BORING LOG

WELL NO. B-18	NORTHING 211535.56519	EASTING 997237.9088
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY J.Wills	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION 9.61(FT.)	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
	BACKFILL Bentonite	START-FINISH DATE 12/18/13-12/18/13

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			
1		FILL (Dark brown, fine to coarse SAND, some Silt, little Gravel, trace cobble and brick; moist)		0.2	Hand cleared to 5 feet bls. Sample B-18/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
2				0.8	
3					
4					
5					
6				13	4.2 foot recovery.
7					
8					
9				740	Sample B-18/6-8 collected for TCL VOCs, TCL SVOCs and TAL Metals.
10					
11				575	Black staining on soil from 8-12 feet bls. Sample B-18/8-10 collected for TCL VOCs, TCL SVOCs and TAL Metals.
12		Dark grey, fine SAND, some Silt, little medium Sand and Gravel, trace coarse sand; wet			Refusal (possible bedrock) encountered at 12 feet bls.

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SOIL BORING LOG

WELL NO. B-19	NORTHING 211528.09972	EASTING 997235.163
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY J.Wills	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION 9.66(FT.)	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
	BACKFILL Bentonite	START-FINISH DATE 12/17/13-12/17/13

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			Hand cleared to 5 feet bls. Sample B-19/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
1		FILL (Dark brown, fine SAND, some Silt, little medium to coarse Sand, Gravel, Brick and Cobble; moist)		0.3	1
2				1.3	2
3					3
4					4
5		FILL (Brown to dark brown, fine SAND, some Silt, little coarse Sand and Gravel, trace brick; moist)		175	5
6					6
7					7
8		FILL (Dark grey, fine to medium SAND, some Silt, little Gravel, trace coarse Sand; wet)		841	8
9					9
10					10
		CONCRETE		835	Concrete refusal encountered at 10.5 feet bls.
11					11

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SOIL BORING LOG

WELL NO. B-20	NORTHING 211513.73883	EASTING 997229.87402
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY J.Wills	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION 9.69(FT.)	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
	BACKFILL Bentonite	START-FINISH DATE 12/17/13-12/17/13

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			Hand cleared to 5 feet bls. Sample B-20/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
1		FILL (Dark brown, fine to medium SAND, some Silt, little Gravel, trace plastic; moist)			
2		FILL (Brown, fine SAND, little Silt, medium to coarse Sand and Gravel, trace cobble and brick; moist)		0.1	
3					
4					
5					
6					
7		FILL (Dark grey, fine SAND, little Silt, medium to coarse Sand and Gravel, trace cobble and brick; moist)			
8		CONCRETE			Concrete refusal encountered at 8 ft bls.

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SOIL BORING LOG

WELL NO. B-21	NORTHING 211493.79457	EASTING 997224.30339
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY J.Wills	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION 9.54(FT.)	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
	BACKFILL Bentonite	START-FINISH DATE 12/17/13-12/17/13

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			Hand cleared to 5 feet bls Sample B-21/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
1		FILL (Dark brown, fine to coarse SAND and SILT, some Gravel, little Concrete fragments and Cobble; moist)		0.0	
2		FILL (Brown to orange brown, fine SAND, some Silt, little medium to coarse Sand and Gravel, trace brick; moist)		55	
3					
4					
5					
6				262	3 feet Recovery. Sample B-21/5-7 collected for TCL VOCs, TCL SVOCs and TAL Metals.
7		FILL (Dark grey, fine SAND, some Silt, little medium to coarse Sand and Gravel; wet)		427	Black staining on soil from 7-8 feet bls. Sample B-21/7-8 collected for TCL VOCs, TCL SVOCs and TAL Metals.
8		CONCRETE			Concrete refusal encountered at 8 feet bls.

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SOIL BORING LOG

WELL NO. B-22	NORTHING 211562.9	EASTING 997187
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish		LOCATION 5-49 46th Avenue
APPROVED BY R.Maxwell	LOGGED BY R.Lombino	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M		GEOGRAPHIC AREA Queens County
DRILL BIT DIAMETER/TYPE 3-in. / Hand Auger	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD Hand Auger / Hand Auger
LAND SURFACE ELEVATION 4.78(FT.)	DEPTH TO WATER Not Measured	SAMPLING METHOD 3" Hand Auger
		START-FINISH DATE 1/13/14-1/13/14
		BACKFILL Bentonite

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
1		Reinforced CONCRETE		239.2	Hand cleared to 6 feet bls. Sample B-22/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
2		FILL (Dark grey, medium to coarse SAND, some Silt and fine Sand, little Gravel, trace clay; moist)			
3		Dark grey, fine SAND and SILT, trace gravel; wet		727.5	
4		Light brown, fine SAND and SILT; wet		1138	Sample B-22/4-6 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
5					
6					Bottom of boring at 6 feet bls.

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SOIL BORING LOG

WELL NO. B-23	NORTHING 211562.34751	EASTING 997209.2
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY R.Lombino	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 3-in. / Hand Auger	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD Hand Auger / Hand Auger
LAND SURFACE ELEVATION 4.77(FT.)	DEPTH TO WATER Not Measured	SAMPLING METHOD 3" Hand Auger
	BACKFILL Bentonite	START-FINISH DATE 1/13/14-1/13/14

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
1		Reinforced CONCRETE		168.3	Hand cleared to 6 feet bls. Sample B-23/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
2		FILL (Dark brown, fine SAND and SILT, some coarse Sand and Gravel; wet)			Visible green staining.
3		Dark grey, fine SAND and SILT, little Gravel and coarse Sand; wet		976	Sample B-23/2-4 collected for TCL VOCs, TCL SVOCs and TAL Metals.
4		Dark brown to dark grey, fine SAND and SILT, trace gravel; wet		534	
5					
6					Bottom of boring at 6 feet bls.

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SOIL BORING LOG

WELL NO. B-24	NORTHING 211517.7	EASTING 997211.8
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY R.Lombino	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 3-in. / Hand Auger	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD Hand Auger / Hand Auger
LAND SURFACE ELEVATION 4.79(FT.)	DEPTH TO WATER Not Measured	SAMPLING METHOD 3" Hand Auger
	BACKFILL Bentonite	START-FINISH DATE 1/14/14-1/14/14

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
1		Reinforced CONCRETE FILL (Dark brown to dark grey, coarse SAND and GRAVEL; wet)		525	Hand cleared to 6 feet bls. Sample B-24/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
2		Dark brown, fine SAND, some Silt; wet		1073	Sample B-24/2-4 collected for TCL VOCs, TCL SVOCs and TAL Metals.
3					
4					
5					
6					Bottom of boring at 6 feet bls.

BORING/FEET 2051.0001Y000.GPJ ROUX.GDT 4/22/14



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SOIL BORING LOG

WELL NO. B-25	NORTHING 211488.5	EASTING 997203.9
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY R.Lombino	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 3-in. / Hand Auger	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD Hand Auger / Hand Auger
LAND SURFACE ELEVATION 4.73(FT.)	DEPTH TO WATER Not Measured	SAMPLING METHOD 3" Hand Auger
	BACKFILL Bentonite	START-FINISH DATE 1/14/14-1/14/14

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			Hand cleared to 6 feet bls. Sample B-25/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
1		FILL (Dark brown, fine SAND and SILT, little Gravel; moist)	G	519.1	1
2		FILL (Dark brown, fine SAND and SILT, litte Gravel; wet)		619.3	2
3			G		3
4				550.4	4
5			G		5
6					Bottom of boring at 6 feet bls. 6

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SOIL BORING LOG

WELL NO. B-26	NORTHING 211469.8	EASTING 997190.5
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY R.Lombino	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 3-in. / Hand Auger	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD Hand Auger / Hand Auger
LAND SURFACE ELEVATION 4.71(FT.)	DEPTH TO WATER Not Measured	SAMPLING METHOD 3" Hand Auger
	BACKFILL Bentonite	START-FINISH DATE 1/14/14-1/14/14

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			Hand cleared to 6 feet bls. Sample B-26/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
1		FILL (Dark brown, fine SAND and SILT, trace gravel and brick; moist)	G	480.7	
2		FILL (Dark brown, fine SAND and SILT, little Gravel, trace brick; wet)		399.8	
3			G		
4		Dark brown, fine SAND and SILT, trace gravel; wet		459.3	Sample B-26/4-6 collected for TCL VOCs, TCL SVOCs and TAL Metals.
5			G		
6					Bottom of boring at 6 feet bls.

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SOIL BORING LOG

WELL NO. B-27	NORTHING 211477.6	EASTING 997152.9
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY R.Lombino	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 3-in. / Hand Auger	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD Hand Auger / Hand Auger
LAND SURFACE ELEVATION 4.80(FT.)	DEPTH TO WATER Not Measured	SAMPLING METHOD 3" Hand Auger
	BACKFILL Bentonite	START-FINISH DATE 1/14/14-1/14/14

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
1		Reinforced CONCRETE		733.4	Hand cleared to 6 feet bls. Sample B-27/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
2		FILL (Dark brown, fine SAND and SILT, little Gravel, trace brick and peat; moist)			
3		Dark brown to dark grey, fine SAND and SILT, trace gravel; wet		633.4	
4				839.5	Sample B-27/4-6 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
5					
6					Bottom of boring at 6 feet bls.

BORING/FEET 2051.0001Y000.GPJ ROUX.GDT 4/22/14

WELL CONSTRUCTION LOG

WELL NO. MW-1/1R		NORTHING Not Measured		EASTING Not Measured	
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish		LOCATION 5-49 46th Avenue			
APPROVED BY R.Maxwell		LOGGED BY J.Wills		Long Island City, New York	
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M		GEOGRAPHIC AREA Queens County			
DRILL BIT DIAMETER/TYPE 3-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 12/16/13-12/16/13	
CASING MAT./DIA. PVC / 2-inch	SCREEN: TYPE Slotted	MAT. PVC	TOTAL LENGTH 6.0 ft	DIA. 2-inch	SLOT SIZE 20-Slot
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN /	GRAVEL PACK SIZES Moire #2	

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE			
		FILL (Dark brown, fine to coarse SAND, some Gravel, little Silt and Brick; moist)		0.0	Hand cleared to 5 feet bls. Sample MW-1/1R/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
		FILL (Dark brown, fine to medium SAND, little Silt, Gravel and Brick fragments; moist)		0.0	Sample MW-1/1R/3-5 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
5		Dark grey, fine SAND, little Silt; wet		135	3 foot Recovery. Black staining on soil from 5-8 feet bls. Sample MW-1/1R/6-8 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
		Dark brown, fine SAND, little Silt; wet		477	
10				112.4	4 foot Recovery.
		Brown to dark brown, SILTY PEAT; very moist		315	
		Dark brown, fine SAND, little Silt; wet		685	
15				158	4.3 foot Recovery.
		Dark brown, fine to medium SAND, some Silt, little coarse Sand and Gravel; wet		43.4	
		Brown, fine to medium SAND and GRAVEL, some Silt, little coarse Sand; wet		23	
20				21	4 foot Recovery.
		Dark brown, fine SAND, little Silt; wet		12	
25				8	Sample MW-1/1R/24-25 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides. Refusal encountered at 25 feet bls.

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WELL CONSTRUCTION LOG

WELL NO. MW-2/2R		NORTHING 211546.3		EASTING 997152.8	
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish				LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell		LOGGED BY J.Wills		Long Island City, New York	
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M				GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 3-in. / Drive Sampler		BOREHOLE DIAMETER 3-inches		DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe	
CASING MAT./DIA. PVC / 2-inch		SCREEN: TYPE Slotted		SAMPLING METHOD 2" Macro-Core	
ELEVATION OF: (Feet)		GROUND SURFACE 9.74		START-FINISH DATE 6/10/13-12/16/13	
		TOP OF WELL CASING 9.23		TOTAL LENGTH 6.0 ft DIA. 2-inch SLOT SIZE 20-Slot	
		TOP & BOTTOM SCREEN 5.7 / -0.3		GRAVEL PACK SIZES Morie #2	
Flush-Mounted Curb Box J-Plug Concrete Bentonite #2 Sand 10 feet of 4-inch diameter, 20-slot, PVC screen Well Plug Graphic Log Visual Description Blow Counts per 6" PID Values (ppm) REMARKS					
</					

BORING/FEET 2051.0001Y000.GPJ ROUX.GDT 4/22/14



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WELL CONSTRUCTION LOG

WELL NO. MW-6/6R		NORTHING 211639		EASTING 997263.4	
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish				LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell		LOGGED BY J.Wills		Long Island City, New York	
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M				GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 3-in. / Drive Sampler		BOREHOLE DIAMETER 3-inches		DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe	SAMPLING METHOD 2" Macro-Core
CASING MAT./DIA. PVC / 2-inch		SCREEN: TYPE Slotted		START-FINISH DATE 12/30/13-1/17/14	
ELEVATION OF: (Feet)		GROUND SURFACE 12.10	TOP OF WELL CASING 11.73	TOTAL LENGTH 10.0ft	DIA. 2-inch SLOT SIZE 20-Slot
				TOP & BOTTOM SCREEN 5.1 / -4.9	GRAVEL PACK SIZES Morie #2

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	Flush-Mounted Curb Box				
	J-Plug				
	Concrete	Reinforced CONCRETE		0.7	Hand cleared to 2.5 feet bls. Sample MW-6/6R/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
		FILL (Dark brown, fine to medium SAND, some Gravel, little Silt, coarse Sand and Brick; moist)			
				0.5	Concrete slab encountered at 2.5 feet bls (former grade).
	Bentonite	CONCRETE			
5		FILL (Dark brown, fine SAND, some Silt, trace brick and gravel; dry)			5
	7 ft of 2" diameter, schedule 40 PVC riser	Dark grey, fine to medium SAND, some Silt, little coarse Sand, trace gravel; dry			
	#2 Sand	Light brown to dark grey, medium to coarse SAND, some Silt, little Gravel; moist			
10		Dark brown, fine SAND, some Silt, little Gravel; dry			10 Sample MW-6/6R/9-11 collected for TCL VOCs, TCL SVOCs and TAL Metals.
		Dark grey, fine SAND and SILT; moist			
	10 ft of 2" diameter, 20-slot screen	Dark grey, fine SAND and SILT; wet			
15		Dark brown, fine to medium SAND, some Silt, little Gravel; wet			15 Sample MW-6/6R/15-17 collected for TCL VOCs, TCL SVOCs and TAL Metals.
		Dark grey, fine to medium SAND, some Silt, little Gravel, trace coarse sand; wet			
	Well Plug				Bottom of boring at 17 feet bls.

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WELL CONSTRUCTION LOG

WELL NO. MW-7/7R		NORTHING 211529.2		EASTING 997199.8	
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish				LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell		LOGGED BY R.Lombino		Long Island City, New York	
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M				GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 3-in. / Hand Auger		BOREHOLE DIAMETER 3-inches		DRILLING EQUIPMENT/METHOD Hand Auger / Hand Auger	SAMPLING METHOD 2" Macro-Core
CASING MAT./DIA. PVC / 2-inch		SCREEN: TYPE Slotted		TOTAL LENGTH 6.5 ft DIA. 2-inch SLOT SIZE 20-Slot	
ELEVATION OF: (Feet)		GROUND SURFACE 4.79	TOP OF WELL CASING 4.48	TOP & BOTTOM SCREEN 4.8 / -1.7	GRAVEL PACK SIZES Morie #2

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
1		Dark brown, coarse SAND and Gravel, some Silt; wet			Hand cleared to 6 feet bls. Sample MW-7/7R/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
2				1019	Sample MW-7/7R/2-4 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
3					
4		Dark brown, fine SAND and SILT, trace gravel; wet		888.6	
5					
6	Well Plug				Bottom of boring at 6 feet bls.

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WELL CONSTRUCTION LOG

WELL NO. MW-14	NORTHING 211593.4	EASTING 997276.6
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R. Maxwell	LOGGED BY J. Wills/R. Lombino	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 3-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
CASING MAT./DIA. PVC / 2-inch	SCREEN: TYPE Slotted	SAMPLING METHOD 2" Macro-Core
ELEVATION OF: (Feet)	GROUND SURFACE 12.00	TOP OF WELL CASING 11.63
		TOP & BOTTOM SCREEN 9.5 / -0.5
		GRAVEL PACK SIZES More #2
		TOTAL LENGTH 10.0ft
		DIA. 2-inch
		SLOT SIZE 20-Slot

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
1	Concrete	Reinforced CONCRETE			Hand cleared to 6 feet bls. Sample MW-14/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
2	Bentonite	FILL (Dark brown, fine to coarse SAND, little Gravel, Silt, Concrete, Ash, Metal Debris and (white) clay-like material; moist)			
3	2.5 feet of 2" diameter, schedule 40 PVC riser				
4					
5					
6					
7		FILL (Dark brown, fine to medium SAND, some Silt, little Gravel, trace brick and concrete; dry)			1 foot recovery. Sample MW-14/7-9 collected for TCL VOCs, TCL SVOCs and TAL Metals.
8	10 feet of 2" diameter, 20-slot screen #2 Sand				
9					3 foot recovery.
10		Dark brown, fine SAND and SILT, trace gravel; wet			Sample MW-14/10-12 collected for TCL VOCs, TCL SVOCs and TAL Metals.
11					
12	Well Plug	Dark brown, fine SAND, some compact SILT, little medium to coarse Sand; wet			Refusal (possible bedrock) encountered at 12.5 feet bls.

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WELL CONSTRUCTION LOG

WELL NO. MW-15	NORTHING 211578.4	EASTING 997265.9
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY R.Lombino	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 3-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
CASING MAT./DIA. PVC / 2-inch	SCREEN: TYPE Slotted	SAMPLING METHOD 2" Macro-Core
ELEVATION OF: (Feet)	GROUND SURFACE 11.96	TOP OF WELL CASING 11.51
		TOP & BOTTOM SCREEN 9.5 / -0.5
		GRAVEL PACK SIZES More #2
		TOTAL LENGTH 10.0ft
		DIA. 2-inch
		SLOT SIZE 20-Slot

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
1	Concrete	Reinforced CONCRETE			Hand cleared to 6 feet bls. Sample MW-15/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
2	Bentonite	FILL (Dark brown, medium to coarse SAND, some fine Sand and Silt, little Gravel, trace brick and concrete; dry)		12.7	
3	2.5 feet of 2" diameter, schedule 40 PVC riser			0.2	
4				0.2	
5					
6		Dark brown, CLAYEY SILT, some fine Sand; moist		2.7	2 foot recovery. Sample MW-15/6-8 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
7					
8	10 feet of 2" diameter, 20-slot screen #2 Sand				
9		Dark brown, fine SAND and SILT; wet		670	2 foot recovery.
10					Sample MW-15/10-12 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
11					
12	Well Plug			261.4	Refusal (possible bedrock) encountered at 12.5 feet bls.

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WELL CONSTRUCTION LOG

WELL NO. MW-16		NORTHING 211628.7		EASTING 997173.1	
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish				LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell		LOGGED BY R.Lombino		Long Island City, New York	
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M				GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 6.25-in. / Drive Sampler		BOREHOLE DIAMETER 10-inches		DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe/HSA	
				SAMPLING METHOD 2" Macro-Core	
				START-FINISH DATE 1/7/14-1/8/14	
CASING MAT./DIA. PVC / 4-inch		SCREEN: TYPE Slotted		MAT. PVC	
ELEVATION OF: (Feet)		GROUND SURFACE 8.94		TOTAL LENGTH 10.0ft	
		TOP OF WELL CASING 8.55		DIA. 4-inch	
				SLOT SIZE 20-Slot	
				TOP & BOTTOM SCREEN 5.9 / -4.1	
				GRAVEL PACK SIZES Morie #2	

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE FILL (Dark brown, fine SAND, some Silt, little Gravel; dry) FILL (Dark brown to dark grey, medium to coarse SAND, some Gravel, little Silt, trace ash; moist) Dark grey, fine SAND, little medium Sand, trace silt; wet Dark brown, SILTY SAND with PEAT; moist Light brown to grey, fine SAND, little Silt, trace gravel; wet Light brown, fine SAND, little Silt; wet Light grey, fine SAND, little Silt, trace gravel; wet Dark brown, fine to medium SAND, little Silt; wet Dark brown, fine SAND, little Silt; wet Dark brown, fine to medium SAND, little Gravel, trace schist rock; wet			Hand cleared to 5 feet bls. Sample MW-16/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals. 4 foot recovery. Sample MW-16/5-7 collected for TCL VOCs, TCL SVOCs and TAL Metals. 3 foot recovery. Sample MW-16/10-12 collected for TCL VOCs, TCL SVOCs and TAL Metals. 4 foot recovery. 5 foot recovery. 1.5 foot recovery. Sample MW-16/25-26.5 collected for TCL VOCs, TCL SVOCs and TAL Metals. Refusal (possible bedrock) encountered at 26.5 feet bls.

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WELL CONSTRUCTION LOG

WELL NO. MW-17	NORTHING 211471.4	EASTING 997103.7
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY J.Wills	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 6.25-in. / Drive Sampler	BOREHOLE DIAMETER 10-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe/HSA
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	SAMPLING METHOD 2" Macro-Core
ELEVATION OF: (Feet)	GROUND SURFACE 8.80	TOP OF WELL CASING 8.35
		TOP & BOTTOM SCREEN 2.8 / -7.2
		GRAVEL PACK SIZES More #2

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	Flush-Mounted Curb Box				
	J-Plug				
	Concrete	Reinforced CONCRETE			
	Bentonite	FILL (Dark brown, fine to medium SAND, some coarse Sand, Silt and Gravel, little Brick and Cobble; moist)		0.2	Hand cleared to 5 feet bls. Sample MW-17/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
				0.1	
				0.1	
5	6 feet of 4" diameter, schedule 40 PVC riser				5
	#2 Sand	FILL (Dark brown, fine SAND and SILT, little medium to coarse Sand, trace brick; very moist)		0.8	4 foot recovery. Sample MW-17/5-7 collected for TCL VOCs, TCL SVOCs and TAL Metals.
		Dark brown to dark grey, fine SAND, little Silt; wet		1.1	
10	10 feet of 4" diamter, 0.20 slot screen	Dark brown to dark grey, fine SAND and SILT, some Peat; wet		372	3.5 foot recovery.
		Grey, fine SAND and SILT, little Peat; wet		800	Sample MW-17/12-13 collected for TCL VOCs, TCL SVOCs and TAL Metals.
				784	
15	Well Plug	Grey to dark brown, fine SAND, some Silt; wet		19.5	4 foot recovery.
		Dark brown, fine SAND, little Silt; wet		17.3	
		Dark brown, fine to medium SAND and SILT, some coarse Sand, little Gravel; wet		3.1	
20		Dark brown, fine to coarse SAND, some Gravel and Silt, trace clay; wet		314	
		Grey, fine to coarse SAND, some Gravel and Silt; wet		582	Sample MW-17/23-24 collected for TCL VOCs, TCL SVOCs and TAL Metals. Refusal (possible bedrock) encountered at 24 feet bls.

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WELL CONSTRUCTION LOG

WELL NO. MW-18		NORTHING 211440.4		EASTING 997242.8	
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish				LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell		LOGGED BY R.Lombino		Long Island City, New York	
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M				GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 6.25-in. / Drive Sampler		BOREHOLE DIAMETER 10-inches		DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe/HSA	
				SAMPLING METHOD 2" Macro-Core	
				START-FINISH DATE 1/6/14-1/9/14	
CASING MAT./DIA. PVC / 4-inch		SCREEN: TYPE Slotted		MAT. PVC	
ELEVATION OF: (Feet)		GROUND SURFACE 9.10		TOTAL LENGTH 10.0ft	
		TOP OF WELL CASING 8.40		DIA. 4-inch	
				SLOT SIZE 20-Slot	
				GRAVEL PACK SIZES Morie #2	

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	Flush-Mounted Curb Box J-Plug Concrete	Reinforced CONCRETE		0.8	Hand cleared to 5 feet bls. Sample MW-18/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
		Dark brown, fine SAND, little Silt, trace medium to coarse sand; moist		1.3	
				1.4	
5					5
		Dark brown, fine SAND & SILT, trace gravel; moist		0.0	3 foot recovery. Sample MW-18/8-10 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
	7 feet of 4" diameter, schedule 40 PVC riser				
	#2 Sand	Dark brown to grey, fine SAND, some Silt; very moist		6.0	
10		Dark brown to grey, fine SAND & SILT; wet		20.8	4.5 foot recovery. Sample MW-18/12-14 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides.
	10 feet of 4" diameter, 20-slot screen			60.7	
15				13.0	5 foot recovery.
	Well Plug	Dark brown to grey, fine SAND, some Silt, trace gravel; wet		2.7	
20		Dark brown, fine to medium SAND, little Gravel & Silt, trace coarse sand; wet		2.7	2 foot recovery. Sample MW-18/20-22 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides. Refusal (possible bedrock) encountered at 22 feet bls.

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WELL CONSTRUCTION LOG

WELL NO. MW-19		NORTHING 211505.8		EASTING 997184.9	
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish		LOCATION 5-49 46th Avenue			
APPROVED BY R.Maxwell		LOGGED BY R.Lombino		Long Island City, New York	
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M		GEOGRAPHIC AREA Queens County			
DRILL BIT DIAMETER/TYPE 3-in. / Hand Auger	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD Hand Auger / Hand Auger	SAMPLING METHOD 3" Hand Auger	START-FINISH DATE 1/14/14-1/14/14	
CASING MAT./DIA. PVC / 2-inch	SCREEN: TYPE Slotted	MAT. PVC	TOTAL LENGTH 6.5 ft	DIA. 2-inch	SLOT SIZE 20-Slot
ELEVATION OF: (Feet)	GROUND SURFACE 4.77	TOP OF WELL CASING 4.41	TOP & BOTTOM SCREEN 4.8 / -1.7	GRAVEL PACK SIZES Morie #2	

Depth, feet	Flush-Mounted Curb Box	J-Plug	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
				Reinforced CONCRETE		451.1	Hand cleared to 6 feet bls. Sample MW-19/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
1				FILL (Dark brown, fine SAND and SILT, little Gravel, trace brick; moist)			
2						745	
3							
4						758	Sample MW-19/4-6 collected for TCL VOCs, TCL SVOCs and TAL Metals.
5							
6							
							Bottom of boring at 6.5 feet bls.

BORING/FEET 2051.0001Y000.GPJ ROUX.GDT 4/22/14

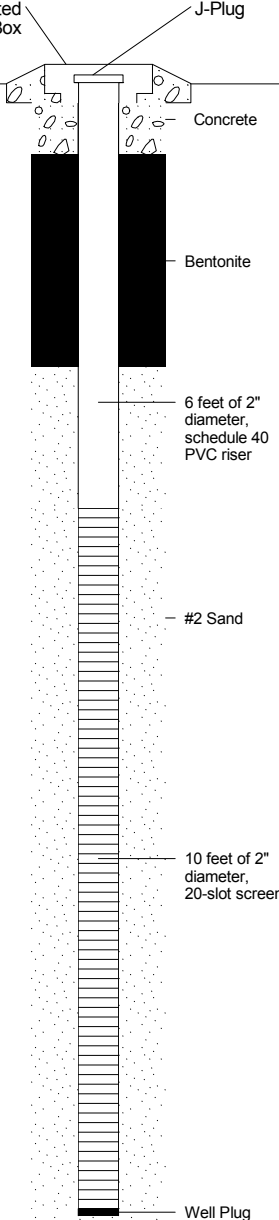


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WELL CONSTRUCTION LOG

WELL NO. MW-20		NORTHING 211535.9		EASTING 997260.4	
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish		LOCATION 5-49 46th Avenue			
APPROVED BY R.Maxwell		LOGGED BY J.Wills/R. Lombino		Long Island City, New York	
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M		GEOGRAPHIC AREA Queens County			
DRILL BIT DIAMETER/TYPE 3-in. / Drive Sampler	BOREHOLE DIAMETER 3-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 12/19/13-1/15/14	
CASING MAT./DIA. PVC / 2-inch	SCREEN: TYPE Slotted	MAT. PVC	TOTAL LENGTH 10.0ft	DIA. 2-inch	SLOT SIZE 20-Slot
ELEVATION OF: (Feet)	GROUND SURFACE 11.93	TOP OF WELL CASING	TOP & BOTTOM SCREEN 5.9 / -4.1		GRAVEL PACK SIZES Morie #2
Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE FILL (Dark brown, fine SAND, some Silt and medium Sand, little Gravel, Slag and coarse Sand, trace brick and glass fragments; moist) Dark brown, fine SAND and SILT, trace gravel; moist Dark brown, fine SAND and SILT; wet Dark grey, fine to medium SAND, some Silt, little coarse Sand and Gravel, wet Dark brown to dark grey, fine to medium SAND, some Silt, little coarse Sand, wet Dark grey, fine SAND and SILT, little medium to coarse Sand, trace mica; wet Dark brown to light grey, fine SAND and SILT, little medium to coarse Sand; wet			Hand cleared to 6 feet bls. Sample MW-20/0-2 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides. 1.5 foot recovery. Sample MW-20/7-9 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides. 1.5 foot recovery. 3 foot recovery. Sample MW-20/12-14 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides. 3 foot recovery. 1 foot recovery. Sample MW-20/18-19 collected for TCL VOCs, TCL SVOCs, TAL Metals, PCBs and TCL Pesticides. Refusal (possible bedrock) encountered at 19 feet bls.

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WELL CONSTRUCTION LOG

WELL NO. MW-21	NORTHING 211416.4	EASTING 997321.3
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish	LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell	LOGGED BY R.Lombino	Long Island City, New York
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M	GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 6.25-in. / Drive Sampler	BOREHOLE DIAMETER 10-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe/HSA
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	SAMPLING METHOD 2" Macro-Core
ELEVATION OF: (Feet)	GROUND SURFACE 8.53	TOP OF WELL CASING 8.17
		TOP & BOTTOM SCREEN 3.5 / -6.5
		GRAVEL PACK SIZES More #2
		TOTAL LENGTH 10.0ft
		DIA. 4-inch
		SLOT SIZE 20-Slot

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	Flush-Mounted Curb Box				
	J-Plug				
	Concrete	Reinforced CONCRETE		0.0	Hand cleared to 5 feet bls. Sample MW-21/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
	Bentonite	FILL (Dark brown, fine SAND, some Silt, little Gravel, trace medium to coarse sand; dry)		0.0	
	5 ft of 4" diameter, schedule 40 PVC riser	FILL (Dark brown, fine SAND & SILT, little Gravel, trace organic material; moist)		1.8	
5		FILL (Dark brown, fine SAND, some Silt, little Brick & Gravel; dry)		309.5	5 foot recovery. Sample MW-21/5-7 collected for TCL VOCs, TCL SVOCs and TAL Metals.
	#2 Sand	Dark brown, fine SAND & SILT, trace gravel; wet		11.8	Sample MW-21/7-8 collected for TCL VOCs, TCL SVOCs and TAL Metals.
				6.5	
10	10 ft of 4" diameter, 20-slot screen	Dark brown, fine SAND, some Silt; wet		3.5	5 foot recovery.
				0.0	
15	Well Plug	Dark brown, fine SAND & SILT, wet		0.0	5 foot recovery. Sample MW-21/18-20 collected for TCL VOCs, TCL SVOCs and TAL Metals.
				1.5	
		Dark brown, fine SAND & SILT, little Gravel, trace bedrock (schist); wet			
20					Refusal (possible bedrock) encountered at 20 ft bls.

BORING/FEET 2051.0001Y000.GPJ ROUX.GDT 4/22/14



ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

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Islandia, NY 11749
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WELL CONSTRUCTION LOG

WELL NO. MW-22		NORTHING 211545.5		EASTING 997297.9	
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish				LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell		LOGGED BY J.Wills/R. Lombino		Long Island City, New York	
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M				GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 3-in. / Drive Sampler		BOREHOLE DIAMETER 3-inches		DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe	SAMPLING METHOD 2" Macro-Core
CASING MAT./DIA. PVC / 2-inch		SCREEN: TYPE Slotted		START-FINISH DATE 12/19/13-1/6/14	
		MAT. PVC		TOTAL LENGTH 10.0ft	DIA. 2-inch
ELEVATION OF: (Feet)		GROUND SURFACE 11.88	TOP OF WELL CASING 11.63	TOP & BOTTOM SCREEN 1.9 / -8.1	GRAVEL PACK SIZES Morie #2

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Reinforced CONCRETE FILL (Brown, fine to medium SAND, some Silt, little coarse Sand and Gravel; moist) FILL (Dark grey, fine to coarse SAND, some Ash and Gravel, little Silt and Concrete fragments; moist) 10 ft of 2" diameter, schedule 40 PVC riser Bentonite Dark brown, fine SAND and SILT; moist Dark brown to dark grey, fine SAND and SILT; wet #2 Sand Dark grey, fine SAND, some Silt, trace gravel; wet 10 ft of 2" diameter, 0.20 slot screen Dark grey, fine to medium SAND, some Silt, little gravel; wet Dark grey, fine to medium SAND, some Silt, little Gravel, trace coarse sand; wet			Hand cleared to 6 feet bls. Sample MW-22/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals. 0.0 0.0 0.0 15.3 43.7 15000 15000 15000 Refusal (possible bedrock) encountered at 20 feet bls.
5					5
10					10
15					15
20					20

BORING/FEET 2051.0001Y000.GPJ ROUX.GDT 4/22/14



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Page 1 of 1

WELL CONSTRUCTION LOG

WELL NO. MW-23		NORTHING 211644.2		EASTING 997214.9	
PROJECT NO./NAME 2051.0001Y000 / Former Paragon Paint & Varnish				LOCATION 5-49 46th Avenue	
APPROVED BY R.Maxwell		LOGGED BY J.Wills		Long Island City, New York	
DRILLING CONTRACTOR/DRILLER Zebra Environmental / Evan M				GEOGRAPHIC AREA Queens County	
DRILL BIT DIAMETER/TYPE 6.25-in. / Drive Sampler		BOREHOLE DIAMETER 10-inches		DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe/HSA	
				SAMPLING METHOD 2" Macro-Core	
				START-FINISH DATE 12/31/13-1/8/14	
CASING MAT./DIA. PVC / 4-inch		SCREEN: TYPE Slotted		MAT. PVC	
ELEVATION OF: (Feet)		GROUND SURFACE 8.73		TOTAL LENGTH 10.0ft	
		TOP OF WELL CASING 8.27		DIA. 4-inch	
				SLOT SIZE 20-Slot	
				TOP & BOTTOM SCREEN 0.7 / -9.3	
				GRAVEL PACK SIZES Morie #2	

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	Flush-Mounted Curb Box				
	J-Plug				
	Concrete	Reinforced CONCRETE			
		FILL (Dark grey, medium to coarse SAND and GRAVEL, some Cobble, little Silt, Brick and Metal; moist)		0.4	Hand cleared to 5 feet bls. Sample MW-23/0-2 collected for TCL VOCs, TCL SVOCs and TAL Metals.
		FILL (White to light grey, CLAY, little medium Sand and Gravel; moist)		0.2	
		FILL (Dark grey, medium to coarse SAND and GRAVEL, little Cobble and Silt, trace clay; moist)		15	
5	Bentonite	FILL (Dark grey, fine SAND, some Silt, little Gravel and Brick, trace clay; very moist)		240	4.3 foot recovery. Sample MW-23/5-7 collected for TCL VOCs, TCL SVOCs and TAL Metals.
	8 feet of 4" diameter, schedule 40 PVC riser				
		Dark brown, fine SAND, little Silt and Peat; wet		712	
10		Brown to dark brown, fine SAND, little Silt; wet		800	4.5 foot recovery. Sample MW-23/10-12 collected for TCL VOCs, TCL SVOCs and TAL Metals.
	#2 Sand			272	
	10 feet of 4" diameter, 20-slot screen				
15		Dark brown, fine to medium SAND, little Silt and Gravel; wet		141	3 foot recovery.
				82	
		GRAVEL, little coarse Sand; wet		70.2	
	Well Plug	Dark brown, fine to coarse SAND and GRAVEL, little Silt; wet		58.5	Sample MW-23/18-19 collected for TCL VOCs, TCL SVOCs and TAL Metals. Refusal (possible bedrock) encountered at 19 feet bls.

BORING/FEET 2051.0001Y000.GPJ ROUX.GDT 4/22/14

Data Usability Summary Report



April 4, 2014

Mr. Richard Maxwell
Project Geologist
Roux Associates, Inc.
209 Shafter Street
Islandia, New York 11749-5074

Re: Data Usability Summary Report for Paragon Paint & Varnish Co. Mfg,
5-49 46th Street, Long Island City, NY
Alpha Analytical SDG Numbers L1325743, L1325947, L1326424, L1400769,
L1400987, L1401339, L1401548, L1401780, L1401804, L1401812, and
L1402533, and Accutest Job Number JB32020

Dear Mr. Maxwell:

Data review was performed for the data packages generated by Alpha Analytical and Accutest Laboratories. Analytical data for one hundred and twenty-four (124) soil samples, eighteen (18) groundwater samples, five (5) soil and two (2) groundwater duplicate samples, twenty (20) field blanks, and eleven (11) trip blanks collected by Roux Associates on 3/20/2013, and from 12/16/2013 to 1/30/2014 are discussed in this DUSR. USEPA SW846 methods were used for the sample analyses. The data validation was performed in accordance with the guidelines presented in the following USEPA documents:

- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, OSWER 9240.1-48, USEPA-540-R-08-01, June 2008.*
- *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, OSWER 9240.1-51, USEPA-540-R-10-011, January 2010.*

The data packages provided by the labs contained full deliverables for validation. This DUSR is generated from review of the summary form information, with review of raw data for samples, and limited review of associated raw data for QC samples.

The data review included the following items:

- Data deliverable completeness,
- Laboratory case narratives,
- Chain of custody documentation,
- Holding times,
- Blank results,
- Surrogate recoveries,
- Internal standard results,
- Laboratory control samples (LCS) or blank spikes,
- Matrix spike/matrix spike duplicate samples (MS/MSD),
- Laboratory duplicate samples,
- Field duplicate samples,
- ICP serial dilutions,
- Instrument tunes,
- Initial calibration, initial calibration verification, and continuing calibration results,
- Method compliance, and
- Sample result verification.

Qualifiers applied to the data during the data validation process include “UJ” (estimated quantitation limit) and “J” (estimated value). Copies of the validated results (result tables annotated to reflect the data qualifiers recommended based on the data validation) and documentation supporting the qualification of the data are presented in **Appendix A**. Copies of the chain-of-custodies and lab case narratives are presented in **Appendix B**. Only problems potentially affecting data usability are discussed in this report.

Data Deliverable Completeness

Full deliverable data packages (i.e., NYSDEC Category B or equivalent) were provided by the laboratory, which included reporting forms and raw data necessary to validate the reported analytical results.

Sample Receipt/Holding times

All samples were received by the laboratory intact, properly preserved, and under proper COCs. All samples were analyzed within the required holding times.

VOC Analyses by USEPA Method 8260C

Alpha Analytical SDG Number L1401548:

Bromomethane was detected in one of the method blanks (WG666494-6BLANK) above the reporting limit (RL) at 4.0 ug/kg. Bromomethane was not detected in samples B-12/21-22.5 and MW-20/7-9 that were associated with the method blank. Therefore, no qualifiers are applied to bromomethane results in these samples.

Alpha Analytical SDG Number L1401780:

For the water batch, acetone was detected in the method blank (WG667002-3BLANK) above the method detection limit (MDL) but below the RL at 4.1 ug/L. Acetone was detected in associated sample FIELD BLANK at 7.2 ug/L. Therefore, acetone result in the sample is edited to non-detect ("U") at the corresponding RL (5.0 ug/L).

Alpha Analytical SDG Number L1401804:

Bromomethane was detected in one of the method blanks (WG666690-3BLANK) above the RL at 4.0 ug/kg. Bromomethane was not detected in the samples associated with the method blank. Therefore, no qualifiers are applied to bromomethane results in these samples.

Alpha Analytical SDG Number L1402533:

In the field blank sample collected on 1/29/2014, acetone was detected above the MDL but below RL at 4.8 ug/L. Acetone was not detected in groundwater samples MW-16 and DUP012914 that were associated with the field blank, and therefore no qualifiers are applied.

Accutest Job Number JB32020

Recoveries of acetone and methyl acetate in the MSD (spiked on background sample MW-11) exceeded the lab control limits at 157% and 162%, respectively. Recovery of methyl acetate in the MS also exceeded the lab control limits at 164%. These two compounds were both non-detect in the background sample MW-11, and therefore no qualifiers are applied.

Alpha Analytical SDG Numbers L1325743, L1325947, L1326424, L1400769, L1400987, L1401339, and L1401812:

No analytical or quality control issues affecting the usability of the data were noted.

SVOC Analyses by USEPA Method 8270D

Alpha Analytical SDG Number L1325743:

Recoveries of surrogate 2-fluorophenol in samples MW-2R/0-2, B-9/0-2, B-19/0-2, B-21-/0-2, and DUP-121613 were below the lab control limits. These samples were reextracted and recoveries of the surrogate were still below the lab control limits. The target compound 2-chlorophenol associated with surrogate 2-fluorophenol in these samples were all non-detect. These non-detect results are qualified with a “UJ”, indicating that the RLs are estimated.

Alpha Analytical SDG Number L1326424:

Recovery of surrogate 2-fluorophenol in sample MW-6R/0-2 was below the lab control limits. The sample was reextracted and recovery of the surrogate was still below the lab control limits. The target compound 2-chlorophenol associated with surrogate 2-fluorophenol in the sample was non-detect. The non-detect result is qualified with a “UJ”, indicating that the RL is estimated.

Accutest Job Number JB32020

Recoveries of 4-nitrophenol and phenol in the blank spike exceeded the lab control limits at 92% and 90%, respectively. These two compounds were non-detect in all the associated samples of this batch, and therefore no qualifiers are applied.

Recoveries of surrogates 2-fluorophenol and phenol-d5 in sample FB032013 exceeded the lab control limits at 99% and 94%, respectively. All target compounds in the sample were non-detect and therefore no qualifiers are applied.

Alpha Analytical SDG Numbers L1325947, L1400769, L1400987, L1401339, L1401548, L1401780, L1401804, L1401812, and L1402533:

No analytical or quality control issues affecting the usability of the data were noted.

Pesticides Analyses by USEPA Method 8081B

Alpha Analytical SDG Numbers L1325743, L1325947, L1326424, L1400769, L1400987, L1401339, L1401548, L1401780, L1401804, and L1402533, and Accutest Job Number JB32020:

No analytical or quality control issues affecting the usability of the data were noted.

PCB Analyses by USEPA Method 8082A

Accutest Job Number JB32020

Recoveries of surrogates tetrachloro-m-xylene and decachlorobiphenyl in sample DUP032013 exceeded the lab control limits at 149% and 144%, respectively. All target PCB Aroclors in the sample were non-detect and therefore no qualifiers are applied.

Alpha Analytical SDG Numbers L1325743, L1325947, L1326424, L1400769, L1400987, L1401339, L1401548, L1401780, L1401804, and L1402533:

No analytical or quality control issues affecting the usability of the data were noted.

Metals Analyses by USEPA Methods 6010C and 7470A/7471B

Alpha Analytical SDG Number L1325743:

Recovery of mercury in the MS (spiked on background sample B-19/0-2) exceeded the lab control limits at 504%. Positive result of mercury in the background sample B-19/0-2 is qualified estimated ("J").

Relative percent differences (RPDs) between the results of arsenic, cadmium, cobalt, copper, iron, and nickel in the original sample of MW-1R/0-2 and its lab duplicate sample exceeded the lab control limits of <35%. Results of these elements in sample MW-1R/0-2 are qualified estimated ("J").

Alpha Analytical SDG Number L1326424:

Recoveries of nickel, potassium, and thallium in the MS (spiked on background sample B-5/0-2) were outside the lab control limits. Positive results of nickel and potassium in the background sample B-5/0-2 are qualified estimated ("J"); non-detect result of thallium in the sample is qualified with a "UJ", indicating that the RL is estimated.

RPDs between the results of calcium, cobalt, iron, lead, magnesium, and manganese in the original sample of B-5/0-2 and its lab duplicate sample exceeded the lab control limits of <35%. Results of these elements in sample B-5/0-2 are qualified estimated ("J").

Alpha Analytical SDG Number L1400987:

Iron was detected in the method blank for the soil batch above the RL at 2.2 mg/kg. Iron was detected in the associated soil samples at concentrations four orders of magnitude higher than the concentration in the method blank. Therefore, no qualifiers are applied to the iron results in the associated samples.

Recovery of silver in the MS (spiked on background sample MW-21/5-7) was below the lab control limits. Positive result of silver in the background sample MW-21/5-7 is qualified estimated ("J").

RPDs between the results of beryllium, chromium, cobalt, copper, magnesium, nickel, and zinc in the original sample of MW-21/5-7 and its lab duplicate sample exceeded the lab control limits of <35%. Results of these elements in sample MW-21/5-7 are qualified estimated (“J”).

Alpha Analytical SDG Number L1401339:

RPDs between the results of arsenic, cobalt, copper, manganese, potassium, vanadium, and zinc in the original sample of B-15/5-7 and its lab duplicate sample exceeded the lab control limits of <35%. Results of these elements in sample B-15/5-7 are qualified estimated (“J”).

Alpha Analytical SDG Number L1401548:

Silver was detected in the two method blanks for the soil sample batches above the MDLs but below the RLs at 0.13 mg/kg and 0.12 mg/kg. Silver results that were above the MDLs but below the RLs in associated samples B-25/2-4, B-27/0-2, B-27/4-6, B-12/7-9, B-12/21-22.5, MW-20/12-14, DUP011514, and B-14/7-9 are edited to non-detect (“U”) at the corresponding RLs. No qualifiers are applied to positive results above the RLs or non-detect results in the associated samples.

Recovery of mercury in the MS (spiked on background sample MW-19/0-2) exceeded the lab control limits at 180%. Positive result of mercury in the background sample MW-19/0-2 is qualified estimated (“J”).

Recoveries of cadmium, calcium, silver, and thallium in the MS (spiked on background sample B-13/16-18) were outside the lab control limits. Positive results of these metals in the background sample are qualified estimated (“J”); non-detect results of these metals are qualified with a “UJ”, indicating that the RLs are estimated.

RPD between the results of calcium in the original sample of MW-19/0-2 and its lab duplicate sample exceeded the lab control limits of <35%. Result of calcium in sample MW-19/0-2 is qualified estimated (“J”).

RPDs between the results of barium, chromium, copper, potassium, and vanadium in the original sample of B-13/16-18 and its lab duplicate sample exceeded the lab control limits of <35%. Results of these elements in sample B-13/16-18 are qualified estimated (“J”).

Alpha Analytical SDG Number L1401780:

RPD between the results of antimony in the original sample of FIELD BLANK and its lab duplicate sample exceeded the lab control limits of <35%. Result of antimony in the sample is qualified estimated (“J”).

RPDs between the results of manganese and zinc in the original sample of MW-15/0-2 and its lab duplicate sample exceeded the lab control limits of <35%. Results of manganese and zinc in sample MW-15/0-2 are qualified estimated (“J”).

Alpha Analytical SDG Number L1401804:

Recoveries of cadmium, lead, and zinc in the MS (spiked on background sample MW-22/7-9) were below the lab control limits. Positive results of lead and zinc in the background sample are qualified estimated (“J”); non-detect result of cadmium is qualified with a “UJ”, indicating that the RL is estimated.

Alpha Analytical SDG Number L1402533:

In sample Field Blank (collected on 1/30/2014), manganese and sodium were detected above RLs at 0.00054 mg/L and 0.154 mg/L, respectively. Manganese and sodium were detected in the associated samples collected on 1/30/2014 at concentrations at least three orders of magnitude higher than the concentrations in the field blank, and therefore no qualifiers are applied.

Alpha Analytical SDG Numbers L1325947, L1400769, and L1401812, and Accutest Job Number JB32020:

No analytical or quality control issues affecting the usability of the data were noted.

Field Duplicate Evaluation:

The data packages include seven blind field duplicate samples. The field duplicate samples, their corresponding parent samples, and associated data packages are listed the table below. The parent samples and their field duplicates were analyzed for VOCs, SVOCs, and metals; selected parent and/or duplicate samples were also analyzed for pesticides and PCBs. Results for most of the analytes were either non-detect or detected above the MDLs but below the RLs; an evaluation is not required for these results. RPDs are calculated for analytes detected above the RLs in parent and/or field duplicate samples, and the RPD values are compared with QC limit of 50%. For analytes with RPDs within the 50% QC limit, no qualifiers are applied. For analytes with RPDs exceeding the 50% QC limit, a “J” qualifier (estimated result) is applied to the positively detected results, and a “UJ” qualifier (estimated RL) is applied to non-detect results. Results of the parent/duplicate sample comparison and qualifiers applied are summarized in the table below.

Data Package	Parent Sample	Duplicate Sample	Summary of Qualifiers Applied to Both Parent and Duplicate Samples
Alpha L1325743	MW-2R/0-2	DUP121613	• “J” qualifiers to one SVOC; • No qualifiers to VOCs or metals; • Duplicate sample not analyzed for pesticides or PCBs.
Alpha L1325947	MW-14/0-2	DUP121913	• “J” qualifiers to one VOC; • “J” or “UJ” qualifiers to 17 SVOCs; • “J” qualifiers to 6 metals; • Duplicate sample not analyzed for pesticides or PCBs.
Alpha L1401339	B-22/0-2	DUP011314	• “J” qualifiers to 3 VOCs; • “J” qualifiers to 5 SVOCs; • “J” qualifiers to 2 metals; • Pesticides and PCBs analyzed in both parent and duplicate samples, and no qualifiers applied.
Alpha L1401548	MW-20/12-14	DUP011514	• “J” qualifiers to one VOC; • No qualifiers to SVOCs or metals; • Pesticides and PCBs analyzed in both parent and duplicate samples, and no qualifiers applied.
Alpha L1401804	MW-6R/15-17	DUP011714	• “J” qualifiers to 11 VOCs; • “J” qualifiers to 3 metals; • No qualifiers to SVOCs; • Duplicate sample not analyzed for pesticides or PCBs.
Alpha L1402533	MW-16	DUP012914	• “J” qualifiers to 4 VOCs; • No qualifiers to SVOCs or metals; • Duplicate sample not analyzed for pesticides or PCBs.
Accutest JB32020	MW-1	DUP032013	• No qualifiers to VOCs, SVOCs, or metals; • Pesticides and PCBs analyzed in both parent and duplicate samples, and no qualifiers applied.

Mr. Richard Maxwell
April 4, 2014
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Summary

Sample analyses were found generally compliant with the method requirements. The sample data are usable, with qualification of the sample results/RLs as quantitatively estimated (“J” or “UJ” qualifier), or with edit of positive results above the MDLs but below the RLs to non-detection (“U”) at the corresponding RLs.

Please do not hesitate to contact me if you have any comments or questions regarding this report.

Sincerely

ROUX ASSOCIATES, INC.

A handwritten signature in blue ink, appearing to read 'Yixian Zhang', is positioned above the printed name.

Yixian Zhang, PhD
Senior Scientist

Enclosure: Definitions of Validation Data Qualifiers

Definitions of Validation Data Qualifiers

Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. The reported quantitation limit is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected and unusable. The analyte may or may not be present.

Groundwater Sampling Logs

Well Sampling Data Form

Client: Vernon 4540 Realty, LLC **Project Number:** 2151.001Y000

Site Location: 5-49 46th Avenue, Long Island City, New York

Well No: MW-1 Weather: 35°F and clear

Date: 3/20/2013 Purge Water Disposal: 55-gallon drum

Sampled By: _____ Well Diameter / Type: 2-inch / PVC

Depth of Well (ft): 18.00 Water Column (ft): 10.69

Depth to Water(ft): 7.31 Volume of Water in Well (gal) 1.74

Depth to Product (ft): - Volume of Water to Remove (gal): 4

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 10:50 Purge Rate: ~250 mL/min

End Purging: 11:29 Volume of Water Removed (gal): ~3 gallons

Method of Purge: low-flow Method of Sampling: low-flow

Physical Appearance/
Comments: Dark and Cloudy

Samples Collected: TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,

(analyses / no. bottles) TCL Pesticides: 2 (1L) Ambers, TCL PCBs: 2 (1L Ambers),

TAL Metals: 1 (500 mL) plastic (HNO3),

Sample Time: 11:30 Laboratory : Accutest Laboratoies

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
10:50	7.31	250	-116	4.12	6	7.35	10.16	4.98
10:55	7.69	250	-114	3.45	4	7.26	10.41	4.44
11:00	7.94	250	-134	4.31	2	6.92	10.54	2.88
11:05	8.1	250	-186	9.46	0	6.88	10.22	2.56
11:10	8.31	250	-224	11.30	0	6.92	10.05	3.19
11:15	9.29	250	-254	12.10	0	6.97	9.74	4.89
11:20	9.63	250	-260	12.10	0	7.00	9.84	5.46
11:23	9.89	250	-266	12.20	0	7.01	9.76	6.44
11:26	10.1	250	-268	12.20	0	7.00	9.85	6.73
11:29	10.31	250	-272	12.00	0	6.98	9.93	6.94
End of Parameter Measurements								

Well Sampling Data Form

Client:	Vernon 4540 Realty, LLC	Project Number:	2151.001Y000
Site Location:	5-49 46th Avenue, Long Island City, New York		
Well No:	MW-2/2R	Weather:	25°F Cold and Mostly Clear
Date:	1/30/2014	Purge Water Disposal:	55-gallon drum
Sampled By:		Well Diameter / Type:	4-inch / PVC
Depth of Well (ft):	14.05	Water Column (ft):	6.21
Depth to Water(ft):	7.84	Volume of Water in Well (gal)	4.05
Depth to Product (ft):	-	Volume of Water to Remove (gal):	4
well diameter:	1 in	2 in	4 in
gallons per foot:	0.041	0.163	0.653
Start Purging:	12:35	Purge Rate:	~150 mL/min
End Purging:	13:30	Volume of Water Removed (gal):	~3 gallons
Method of Purge:	low-flow	Method of Sampling:	low-flow
Physical Appearance/ Comments:	Clear		
Samples Collected: (analyses / no. bottles)	TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,		
	TAL Metals: 1 (500 mL) plastic (HNO3),		
Sample Time:	13:15	Laboratory :	Alpha Analytical

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
12:38	8.04	150	-70	2.43	28.5	6.43	10.18	1.60
12:43	8.22	150	-85	2.07	33.5	6.40	6.40	0.00
12:48	8.23	150	-86	2.06	33.3	6.40	11.14	0.00
12:53	8.3	150	-92	2.03	26.0	6.39	11.02	0.00
12:58	8.45	150	-96	2.02	24.0	6.39	11.18	0.00
13:03	8.47	150	-98	2.02	23.7	6.39	11.24	0.00
End of Parameter Measurements								

Well Sampling Data Form

Client: Vernon 4540 Realty, LLC **Project Number:** 2151.001Y000

Site Location: 5-49 46th Avenue, Long Island City, New York

Well No: MW-4 Weather: 35°F and clear

Date: 3/20/2013 Purge Water Disposal: 55-gallon drum

Sampled By: _____ Well Diameter / Type: 2-inch / PVC

Depth of Well (ft): 17.70 Water Column (ft): 8.53

Depth to Water(ft): 9.17 Volume of Water in Well (gal): 1.39

Depth to Product (ft): - Volume of Water to Remove (gal): 4

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 12:20 Purge Rate: ~150 mL/min

End Purging: 12:50 Volume of Water Removed (gal): ~2.5 gallons

Method of Purge: low-flow Method of Sampling: low-flow

Physical Appearance/
Comments: Clear

Samples Collected: TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,
(analyses / no. bottles) TCL Pesticides: 2 (1L) Ambers, TCL PCBs: 2 (1L Ambers),
TAL Metals: 1 (500 mL) plastic (HNO3),

Sample Time: 12:50 Laboratory : Accutest Laboratories

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
12:20	9.17	150	-195	0.553	0	7.90	12.82	11.65
12:25	9.32	150	-202	0.291	0	7.50	14.05	8.62
12:30	9.36	150	-201	0.282	0	7.42	14.21	7.45
12:35	9.36	150	-201	0.280	0	7.38	14.27	6.57
12:40	9.36	150	-200	0.281	0	7.36	14.27	6.16
12:45	9.38	150	-200	0.279	0	7.34	14.28	6.10
12:50	9.39	150	-200	0.277	0	7.32	14.29	6.10
End of Parameter Measurements								

Well Sampling Data Form

Client:	Vernon 4540 Realty, LLC	Project Number:	2151.001Y000
Site Location:	5-49 46th Avenue, Long Island City, New York		
Well No:	MW-4	Weather:	24°F Cold and Mostly Clear
Date:	1/30/2014	Purge Water Disposal:	55-gallon drum
Sampled By:		Well Diameter / Type:	2-inch / PVC
Depth of Well (ft):	17.64	Water Column (ft):	7.74
Depth to Water(ft):	9.90	Volume of Water in Well (gal)	1.26
Depth to Product (ft):	-	Volume of Water to Remove (gal):	~1.5
well diameter:	1 in	2 in	4 in 6 in 8 in
gallons per foot:	0.041	0.163	0.653 1.469 2.611
Start Purging:	9:25	Purge Rate:	100 mL/min
End Purging:	9:48	Volume of Water Removed (gal):	~1 gallons
Method of Purge:	low-flow	Method of Sampling:	low-flow
Physical Appearance/ Comments:	Clear		
Samples Collected: (analyses / no. bottles)	TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,		
	TCL Pesticides: 2 (1L) Ambers, TCL PCBs: 2 (1L Ambers),		
	TAL Metals: 1 (500 mL) plastic (HNO3),		
Sample Time:	10:00	Laboratory :	Alpha Analytical

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
9:30	10.25	100	-93	1.63	80.0	7.40	7.82	20.45
9:35	10.21	100	-95	1.19	48.7	6.69	9.46	0.00
9:40	10.19	100	-101	1.05	38.9	6.61	10.10	0.00
9:45	10.19	100	-103	1.04	37.7	6.59	10.31	0.00
9:48	10.19	100	-106	1.04	42.6	6.58	10.50	0.00
End of Parameter Measurements								

Well Sampling Data Form

Client: Vernon 4540 Realty, LLC **Project Number:** 2151.001Y000

Site Location: 5-49 46th Avenue, Long Island City, New York

Well No: MW-5 Weather: 35°F and clear

Date: 3/20/2013 Purge Water Disposal: 55-gallon drum

Sampled By: Well Diameter / Type: 2-inch / PVC

Depth of Well (ft): 18.00 Water Column (ft): 11.75

Depth to Water(ft): 6.25 Volume of Water in Well (gal): 1.92

Depth to Product (ft): - Volume of Water to Remove (gal): 4

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 13:20 Purge Rate: ~200 mL/min

End Purging: 13:45 Volume of Water Removed (gal): ~2.5 gallons

Method of Purge: low-flow Method of Sampling: low-flow

Physical Appearance/
Comments: Clear

Samples Collected:
(analyses / no. bottles) TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,
TCL Pesticides: 2 (1L) Ambers, TCL PCBs: 2 (1L Ambers),
TAL Metals: 1 (500 mL) plastic (HNO3),

Sample Time: 13:50 Laboratory : Accutest Laboratories

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
13:20	6.25	200	-50	5.23	0	6.90	12.53	4.80
13:25	7.12	200	-47	5.33	0	6.98	13.15	2.53
13:30	7.38	200	-47	5.45	0	7.00	13.31	1.75
13:35	7.46	200	-50	5.47	0	7.00	13.33	1.72
13:40	7.52	200	-55	5.50	0	7.00	13.41	1.70
13:45	7.59	200	-58	5.52	0	7.01	13.48	1.73
13:50	7.69	200	-57	5.55	0	7.01	13.49	1.74
End of Parameter Measurements								

Well Sampling Data Form

Client:	Vernon 4540 Realty, LLC	Project Number:	2151.001Y000
Site Location:	5-49 46th Avenue, Long Island City, New York		
Well No:	MW-5	Weather:	10°F Cold and Mostly Clear
Date:	1/30/2014	Purge Water Disposal:	55-gallon drum
Sampled By:	AF	Well Diameter / Type:	2-inch / PVC
Depth of Well (ft):	18.05	Water Column (ft):	12.05
Depth to Water(ft):	6.00	Volume of Water in Well (gal)	1.97
Depth to Product (ft):	-	Volume of Water to Remove (gal):	NA
well diameter:	1 in	2 in	4 in 6 in 8 in
gallons per foot:	0.041	0.163	0.653 1.469 2.611
Start Purging:	9:25	Purge Rate:	~150 mL/min
End Purging:	9:52	Volume of Water Removed (gal):	~1 gallons
Method of Purge:	low-flow	Method of Sampling:	low-flow
Physical Appearance/ Comments:	Clear		
Samples Collected: (analyses / no. bottles)	TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,		
	TCL Pesticides: 2 (1L) Ambers, TCL PCBs: 2 (1L Ambers),		
	TAL Metals: 1 (500 mL) plastic (HNO3),		
Sample Time:	10:00	Laboratory :	Alpha Analytical

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
9:25	6.49	150	85	3.01	85.7	6.88	10.51	7.53
9:28	7.08	150	42	3.11	42.2	7.01	10.49	5.67
9:31	7.39	150	18	3.16	19.1	7.11	10.47	4.30
9:34	7.41	150	18	3.20	14.6	7.12	10.45	2.34
9:37	7.41	150	18	3.25	10.7	7.13	10.51	1.86
9:40	7.42	150	18	3.25	9.4	7.13	10.83	1.75
9:43	7.42	150	18	3.26	9.0	7.13	10.97	1.64
9:46	7.42	150	18	3.26	8.5	7.13	11.13	1.61
9:49	7.42	150	18	3.26	8.2	7.13	11.19	1.58
9:52	7.42	150	18	3.26	8.3	7.13	11.22	1.58
End of Parameter Measurements								

Well Sampling Data Form

Client:	Vernon 4540 Realty, LLC	Project Number:	2151.001Y000
Site Location:	5-49 46th Avenue, Long Island City, New York		
Well No:	MW-7/7R	Weather:	20°F Cold and Mostly Clear
Date:	1/30/2014	Purge Water Disposal:	55-gallon drum
Sampled By:	BK	Well Diameter / Type:	2-inch / PVC
Depth of Well (ft):	5.84	Water Column (ft):	2.84
Depth to Water(ft):	3.00	Volume of Water in Well (gal)	0.46
Depth to Product (ft):	-	Volume of Water to Remove (gal):	NA
well diameter:	1 in	2 in	4 in 6 in 8 in
gallons per foot:	0.041	0.163	0.653 1.469 2.611
Start Purging:	13:15	Purge Rate:	~100 mL/min
End Purging:	13:50	Volume of Water Removed (gal):	
Method of Purge:	low-flow	Method of Sampling:	low-flow
Physical Appearance/ Comments:	Clear		
Samples Collected: (analyses / no. bottles)	TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,		
	TCL Pesticides: 2 (1L) Ambers, TCL PCBs: 2 (1L Ambers),		
	TAL Metals: 1 (500 mL) plastic (HNO3),		
Sample Time:	13:50	Laboratory :	Alpha Analytical

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
13:20	4.26	100	-93	2.49	800	7.44	2.08	8.76
13:25	4.66	100	-115	2.40	800	7.26	3.97	2.20
13:30	4.64	100	-116	2.37	800	7.25	4.03	2.04
13:35	5.49	100	-113	2.13	237	7.63	4.70	2.45
13:40	5.49	100	-100	2.06	223	7.32	4.64	6.15
13:45	5.5	100	-97	1.98	211	7.38	4.61	7.65
13:50	5.48	100	-96	1.93	201	7.4	4.60	8.72
End of Parameter Measurements								

Well Sampling Data Form

Client: Vernon 4540 Realty, LLC **Project Number:** 2151.001Y000

Site Location: 5-49 46th Avenue, Long Island City, New York

Well No: MW-10 Weather: 35°F and clear

Date: 3/20/2013 Purge Water Disposal: 55-gallon drum

Sampled By: _____ Well Diameter / Type: 2-inch / PVC

Depth of Well (ft): 10.60 Water Column (ft): 2.54

Depth to Water(ft): 8.06 Volume of Water in Well (gal): 0.41

Depth to Product (ft): - Volume of Water to Remove (gal): NA

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 9:25 Purge Rate: ~150 mL/min

End Purging: 9:59 Volume of Water Removed (gal): ~2.5 gallons

Method of Purge: low-flow Method of Sampling: low-flow

Physical Appearance/
Comments: Clear

Samples Collected: TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,
(analyses / no. bottles) TCL Pesticides: 2 (1L) Ambers, TCL PCBs: 2 (1L Ambers),
TAL Metals: 1 (500 mL) plastic (HNO3),

Sample Time: 10:00 Laboratory : Accutest Laboratories

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
9:25	8.06	150	-46	22.4	0	6.74	6.48	6.17
9:30	8.29	150	-40	23.2	0	6.84	6.14	3.70
9:35	8.39	150	-51	23.7	0	6.90	6.33	5.13
9:40	8.39	150	-54	23.8	0	6.92	6.39	5.14
9:45	8.39	150	-58	23.5	0	6.94	6.42	4.15
9:50	8.4	150	-62	23.3	0	6.94	6.49	3.83
9:55	8.43	150	-64	23.2	0	6.95	6.49	3.89
9:59	8.44	150	-66	23.2	0	6.95	6.56	4.06
End of Parameter Measurements								

Well Sampling Data Form

Client:	Vernon 4540 Realty, LLC	Project Number:	2151.001Y000
Site Location:	5-49 46th Avenue, Long Island City, New York		
Well No:	MW-10	Weather:	20°F Cold and Mostly Clear
Date:	1/30/2014	Purge Water Disposal:	55-gallon drum
Sampled By:		Well Diameter / Type:	2-inch / PVC
Depth of Well (ft):	10.72	Water Column (ft):	5.13
Depth to Water(ft):	5.59	Volume of Water in Well (gal)	0.84
Depth to Product (ft):	-	Volume of Water to Remove (gal):	NA
well diameter:	1 in	2 in	4 in 6 in 8 in
gallons per foot:	0.041	0.163	0.653 1.469 2.611
Start Purging:	8:00	Purge Rate:	100 mL/min
End Purging:	8:38	Volume of Water Removed (gal):	~1 gallons
Method of Purge:	low-flow	Method of Sampling:	low-flow
Physical Appearance/ Comments:	Clear		
Samples Collected: (analyses / no. bottles)	TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,		
	TCL Pesticides: 2 (1L) Ambers, TCL PCBs: 2 (1L Ambers),		
	TAL Metals: 1 (500 mL) plastic (HNO3),		
Sample Time:	8:45	Laboratory :	Alpha Analytical

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
8:03	5.06	100	42	38.10	46.1	7.01	2.62	5.06
8:08	5.00	100	59	38.40	41.9	7.23	2.42	5.00
8:13	4.89	100	67	38.80	37.1	7.22	2.11	4.89
8:18	4.81	100	71	38.80	38.0	7.23	1.50	4.81
8:23	4.80	100	73	14.90	20.0	7.34	0.92	4.80
8:28	4.79	100	74	38.70	19.8	7.33	0.87	4.79
End of Parameter Measurements								

Well Sampling Data Form

Client: Vernon 4540 Realty, LLC **Project Number:** 2151.001Y000

Site Location: 5-49 46th Avenue, Long Island City, New York

Well No: MW-11 Weather: 35°F and clear

Date: 3/20/2013 Purge Water Disposal: 55-gallon drum

Sampled By: _____ Well Diameter / Type: 2-inch / PVC

Depth of Well (ft): 24.00 Water Column (ft): 16.29

Depth to Water(ft): 7.71 Volume of Water in Well (gal): 2.66

Depth to Product (ft): - Volume of Water to Remove (gal): 4

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 8:20 Purge Rate: ~200 mL/min

End Purging: 8:59 Volume of Water Removed (gal): ~2.5 gallons

Method of Purge: low-flow Method of Sampling: low-flow

Physical Appearance/
Comments: Clear

Samples Collected: TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,
(analyses / no. bottles) TCL Pesticides: 2 (1L) Ambers, TCL PCBs: 2 (1L Ambers),
TAL Metals: 1 (500 mL) plastic (HNO3),

Sample Time: 9:00 Laboratory : Accutest Laboratories

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
8:20	7.71	200	34	2.06	0.8	6.48	11.06	9.50
8:25	8.55	200	-11	2.17	1.0	6.74	11.44	6.03
8:30	9.18	200	-56	2.58	9.8	6.99	11.60	4.65
8:35	8.69	200	-76	2.86	15.4	7.10	11.06	3.41
8:40	8.6	200	-91	3.44	17.9	7.12	10.82	3.01
8:45	8.52	200	-100	3.88	17.9	7.14	11.00	2.60
8:50	8.76	200	-110	4.44	16.4	7.14	11.53	2.25
8:53	8.84	200	-118	5.06	15.6	7.13	11.66	2.15
8:56	8.89	200	-123	5.39	15.6	7.14	11.68	1.78
8:59	8.93	200	-129	5.60	14.1	7.14	11.74	1.68
End of Parameter Measurements								

Well Sampling Data Form

Client: Vernon 4540 Realty, LLC **Project Number:** 2151.001Y000
Site Location: 5-49 46th Avenue, Long Island City, New York

Well No: MW-11 Weather: 20°F Cold and Mostly Clear
Date: 1/30/2014 Purge Water Disposal: 55-gallon drum
Sampled By: RL Well Diameter / Type: 2-inch / PVC

Depth of Well (ft): 23.96 Water Column (ft): 17.36
Depth to Water(ft): 6.60 Volume of Water in Well (gal): 2.83
Depth to Product (ft): - Volume of Water to Remove (gal): NA

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 7:54 Purge Rate: ~150 mL/min
End Purging: 8:24 Volume of Water Removed (gal): NR
Method of Purge: low-flow Method of Sampling: low-flow

Physical Appearance/
Comments: Clear

Samples Collected: TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,
(analyses / no. bottles) TCL Pesticides: 2 (1L) Ambers, TCL PCBs: 2 (1L Ambers),
TAL Metals: 1 (500 mL) plastic (HNO3),

Sample Time: 8:30 Laboratory : Alpha Analytical

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
7:59	7.49	150	-276	19.2	35.7	7.03	10.42	3.46
8:04	7.45	150	-284	32.6	32.3	7.04	9.41	3.91
8:09	7.24	150	-286	19.7	19.6	7.04	8.55	3.70
8:14	7.51	150	-293	19.2	14.7	7.03	9.93	3.35
8:19	7.61	150	-298	19.7	15.3	7.03	10.03	3.24
8:24	7.67	150	-301	20.1	13.4	7.03	10.25	3.15
End of Parameter Measurements								

Well Sampling Data Form

Client: Vernon 4540 Realty, LLC **Project Number:** 2151.001Y000

Site Location: 5-49 46th Avenue, Long Island City, New York

Well No: MW-14 Weather: 20°F Cold and Mostly Clear

Date: 1/30/2014 Purge Water Disposal: 55-gallon drum

Sampled By: Well Diameter / Type: 1-inch / PVC

Depth of Well (ft): 11.05 Water Column (ft): 1.34

Depth to Water(ft): 9.71 Volume of Water in Well (gal): 0.22

Depth to Product (ft): - Volume of Water to Remove (gal): NA

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 10:55 Purge Rate: ~100 mL/min

End Purging: 11:15 Volume of Water Removed (gal): 0

Method of Purge: low-flow Method of Sampling: low-flow

Physical Appearance/
Comments: Clear

Samples Collected:
(analyses / no. bottles) TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,
TAL Metals: 1 (500 mL) plastic (HNO3),

Sample Time: 11:15 Laboratory : Alpha Analytical

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
11:00	9.58	100	-115	1.20	360	9.48	6.79	6.36
11:05	10.84	100	-48	1.15	800	9.62	6.40	6.42
11:10	10.96	100	-38	1.17	800	9.87	7.00	6.65
End of Parameter Measurements								

Well Sampling Data Form

Client:	Vernon 4540 Realty, LLC	Project Number:	2151.001Y000
Site Location:	5-49 46th Avenue, Long Island City, New York		
Well No:	MW-16	Weather:	20°F Cold and Mostly Clear
Date:	1/29/2014	Purge Water Disposal:	55-gallon drum
Sampled By:		Well Diameter / Type:	4-inch / PVC
Depth of Well (ft):	13.42	Water Column (ft):	5.32
Depth to Water(ft):	8.10	Volume of Water in Well (gal)	3.47
Depth to Product (ft):	-	Volume of Water to Remove (gal):	NA
well diameter:	1 in 2 in 4 in 6 in 8 in		
gallons per foot:	0.041 0.163 0.653 1.469 2.611		
Start Purging:	11:55	Purge Rate:	~150 mL/min
End Purging:	13:00	Volume of Water Removed (gal):	~4.5 gallons
Method of Purge:	low-flow	Method of Sampling:	low-flow
Physical Appearance/ Comments:	Clear		
Samples Collected: (analyses / no. bottles)	TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,		
	TCL Pesticides: 2 (1L) Ambers, TCL PCBs: 2 (1L) Ambers),		
	TAL Metals: 1 (500 mL) plastic (HNO3),		
Sample Time:	13:05	Laboratory :	Alpha Analytical

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
11:57	8.25	150	-83	7.07	278	6.45	4.57	14.13
12:02	8.32	150	-89	7.38	261	6.32	6.77	8.61
12:07	8.40	150	-96	7.28	232	6.31	7.73	7.36
12:12	8.46	150	-99	7.25	211	6.31	8.07	6.46
12:17	8.47	150	-100	7.22	191	6.31	8.09	6.05
12:22	8.49	150	-101	7.21	168	6.30	8.21	5.30
12:27	8.51	150	-101	7.20	155	6.30	8.13	4.90
12:32	8.53	150	-102	7.19	150	6.30	8.12	4.21
12:37	8.54	150	-102	7.19	145	6.29	8.22	3.82
12:42	8.55	150	-102	7.18	145	6.29	8.32	3.38
12:47	8.56	150	-103	7.11	124	6.28	8.51	3.37
12:52	8.59	150	-103	7.05	114	6.29	8.60	2.71
12:57	8.59	150	-103	7.04	114	6.29	8.49	2.49
13:02	8.59	150	-103	7.03	118	6.28	8.61	2.40
End of Parameter Measurements								

Well Sampling Data Form

Client: Vernon 4540 Realty, LLC **Project Number:** 2151.001Y000

Site Location: 5-49 46th Avenue, Long Island City, New York

Well No: MW-18 Weather: 30°F Cold and Mostly Clear

Date: 1/30/2014 Purge Water Disposal: 55-gallon drum

Sampled By: RL Well Diameter / Type: 4-inch / PVC

Depth of Well (ft): 17.04 Water Column (ft): 10.17

Depth to Water(ft): 6.87 Volume of Water in Well (gal): 6.64

Depth to Product (ft): - Volume of Water to Remove (gal): NA

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 13:40 Purge Rate: 125 mL/min

End Purging: 14:15 Volume of Water Removed (gal): ~1 gallons

Method of Purge: low-flow Method of Sampling: low-flow

Physical Appearance/
Comments: Clear

Samples Collected:
(analyses / no. bottles) TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,
TCL Pesticides: 2 (1L) Ambers, TCL PCBs: 2 (1L Ambers),
TAL Metals: 1 (500 mL) plastic (HNO3),

Sample Time: 14:30 Laboratory : Alpha Analytical

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
13:45	6.99	125	-98	0.941	52.9	6.56	11.89	0.00
13:50	6.99	125	-102	0.711	41.5	6.60	12.62	0.00
13:55	7.00	125	-109	0.544	34.6	6.58	13.31	0.00
14:00	7.00	125	-110	0.543	31.6	6.57	13.32	0.00
14:10	7.00	125	-111	0.540	29.7	6.57	13.55	0.00
14:15	7.01	125	-110	0.541	28.9	6.57	13.57	0.00
End of Parameter Measurements								

Well Sampling Data Form

Client: Vernon 4540 Realty, LLC **Project Number:** 2151.001Y000

Site Location: 5-49 46th Avenue, Long Island City, New York

Well No: MW-20 Weather: 25°F Cold and Mostly Clear

Date: 1/30/2014 Purge Water Disposal: 55-gallon drum

Sampled By: Well Diameter / Type: 2-inch / PVC

Depth of Well (ft): 14.91 Water Column (ft): 4.89

Depth to Water(ft): 10.02 Volume of Water in Well (gal): 0.80

Depth to Product (ft): - Volume of Water to Remove (gal): NA

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 10:30 Purge Rate: ~75 mL/min

End Purging: 11:15 Volume of Water Removed (gal):

Method of Purge: low-flow Method of Sampling: low-flow

Physical Appearance/
Comments: Clear

Samples Collected:
(analyses / no. bottles) TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,
TCL Pesticides: 2 (1L) Ambers, TCL PCBs: 2 (1L Ambers),
TAL Metals: 1 (500 mL) plastic (HNO3),

Sample Time: 11:15 Laboratory : Alpha Analytical

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
10:35	10.41	75	-49	4.16	51.9	6.67	5.79	6.18
10:40	10.42	75	-44	4.09	25.8	6.70	7.62	2.41
10:45	10.43	75	-30	5.07	25.3	6.69	5.67	1.61
10:50	10.42	75	-38	4.97	23.1	6.67	6.57	1.61
10:55	10.43	75	-73	5.25	19.7	6.65	6.55	1.02
11:00	10.43	75	-81	5.22	19.6	6.63	6.55	1.15
11:05	10.43	75	-82	5.22	19.8	6.63	6.57	1.16
End of Parameter Measurements								

Well Sampling Data Form

Client: Vernon 4540 Realty, LLC **Project Number:** 2151.001Y000
Site Location: 5-49 46th Avenue, Long Island City, New York

Well No: MW-21 Weather: 10°F Cold and Mostly Clear
Date: 1/30/2014 Purge Water Disposal: 55-gallon drum
Sampled By: AF Well Diameter / Type: 4-inch / PVC

Depth of Well (ft): 15.11 Water Column (ft): 8.51
Depth to Water(ft): 6.60 Volume of Water in Well (gal): 5.56
Depth to Product (ft): - Volume of Water to Remove (gal): NA

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 10:20 Purge Rate: ~100 mL/min
End Purging: 10:44 Volume of Water Removed (gal): 1
Method of Purge: low-flow Method of Sampling: low-flow

Physical Appearance/
Comments: Clear

Samples Collected: TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,
(analyses / no. bottles) TCL Pesticides: 2 (1L) Ambers, TCL PCBs: 2 (1L Ambers),
TAL Metals: 1 (500 mL) plastic (HNO3),

Sample Time: 10:45 Laboratory : Alpha Analytical

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
10:20	7.04	100	-13	7.69	104	7.13	10.73	6.41
10:23	7.09	100	-48	7.60	86.3	7.15	10.52	4.03
10:26	7.1	100	-95	7.55	69.6	7.17	10.35	2.17
10:29	7.11	100	-103	7.54	64.5	7.18	10.00	1.86
10:32	7.12	100	-106	7.51	60.7	7.18	9.84	1.50
10:35	7.13	100	-107	7.49	57.4	7.18	9.76	1.32
10:38	7.13	100	-108	7.49	55.8	7.18	9.72	1.21
10:41	7.13	100	-108	7.49	54.2	7.18	9.65	1.15
10:44	7.13	100	-108	7.48	53.1	7.19	9.61	1.13
End of Parameter Measurements								

Well Sampling Data Form

Client: Vernon 4540 Realty, LLC **Project Number:** 2151.001Y000

Site Location: 5-49 46th Avenue, Long Island City, New York

Well No: MW-22 Weather: 20°F Cold and Mostly Clear

Date: 1/30/2014 Purge Water Disposal: 55-gallon drum

Sampled By: Well Diameter / Type: 1-inch / PVC

Depth of Well (ft): 19.48 Water Column (ft): 9.54

Depth to Water(ft): 9.94 Volume of Water in Well (gal) 0.39

Depth to Product (ft): - Volume of Water to Remove (gal): NA

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 9:20 Purge Rate: ~100 mL/min

End Purging: 9:50 Volume of Water Removed (gal): 1

Method of Purge: low-flow Method of Sampling: low-flow

Physical Appearance/
Comments: Clear

Samples Collected: TCL VOCs+ (8260): 3 (40mL) VOAs (HCL), TCL BNA/SVOC+ (8270): 2 (1L) Ambers,
(analyses / no. bottles) TAL Metals: 1 (500 mL) plastic (HNO3),

Sample Time: 9:50 Laboratory : Alpha Analytical

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/cm (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
9:25	18.98	100	-125	1.22	79.5	7.45	8.23	4.76
9:30	18.65	100	-104	1.05	15.5	7.32	8.61	4.02
9:35	18.45	100	-91	1.02	13.5	7.26	8.22	3.58
9:40	18.35	100	-12	0.994	88.5	7.22	8.15	2.92
9:45	18.32	100	-12	0.998	88.5	7.21	8.16	2.79
9:50	18.31	100	-11	0.998	77.2	7.20	8.48	2.66
End of Parameter Measurements								

1. Sample Locations With Exceedances of Restricted Residential Use Standards for SVOCs in Soil
2. Sample Locations With Exceedances of Restricted Residential Use Standards for Metals in Soil
3. Exceedances of Ambient Water-Quality Standards and Guidance Values
4. Hydrogeologic Cross Section (A-A¹ and B-B¹)

LEGEND

- B-6 SOIL BORING LOCATION AND DESIGNATION
- MW-5 MONITORING WELL LOCATION AND DESIGNATION
- PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF UNDERGROUND STORAGE TANK (UST)
- APPROXIMATE LOCATION OF DISHED UNDERGROUND STORAGE TANK
- APPROXIMATE LOCATION OF UNDERGROUND VARNISH COOKING POT

TYPICAL DATA BOX INFORMATION

SAMPLE ID	B-17	1/20/14	1/20/14	SAMPLE DATE
	Depth (ft bsl)	0 - 2	7 - 9	
ANALYTES	Metals			CONCENTRATIONS IN mg/kg
	Copper	480	NE	

Parameter	Standards* (mg/kg)
Metals	
Arsenic	16
Barium	400
Copper	270
Lead	400
Manganese	2000
Mercury	0.81

mg/kg - Milligrams per kilogram

* - NYSDEC Part 375 Restricted Residential Standards

NYSDEC - New York State Department of Environmental Conservation

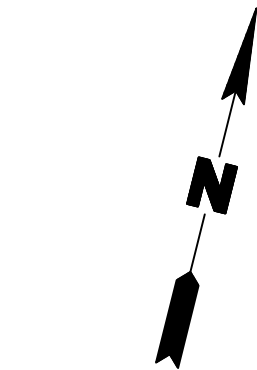
DUP - Duplicate Sample

NE - No exceedance

ND - No detection

ft bsl - Feet below land surface

DRAFT



20' 0 20'

Title:
**SAMPLE LOCATIONS WITH EXCEEDANCES
OF RESTRICTED RESIDENTIAL USE
STANDARDS FOR METALS IN SOIL**

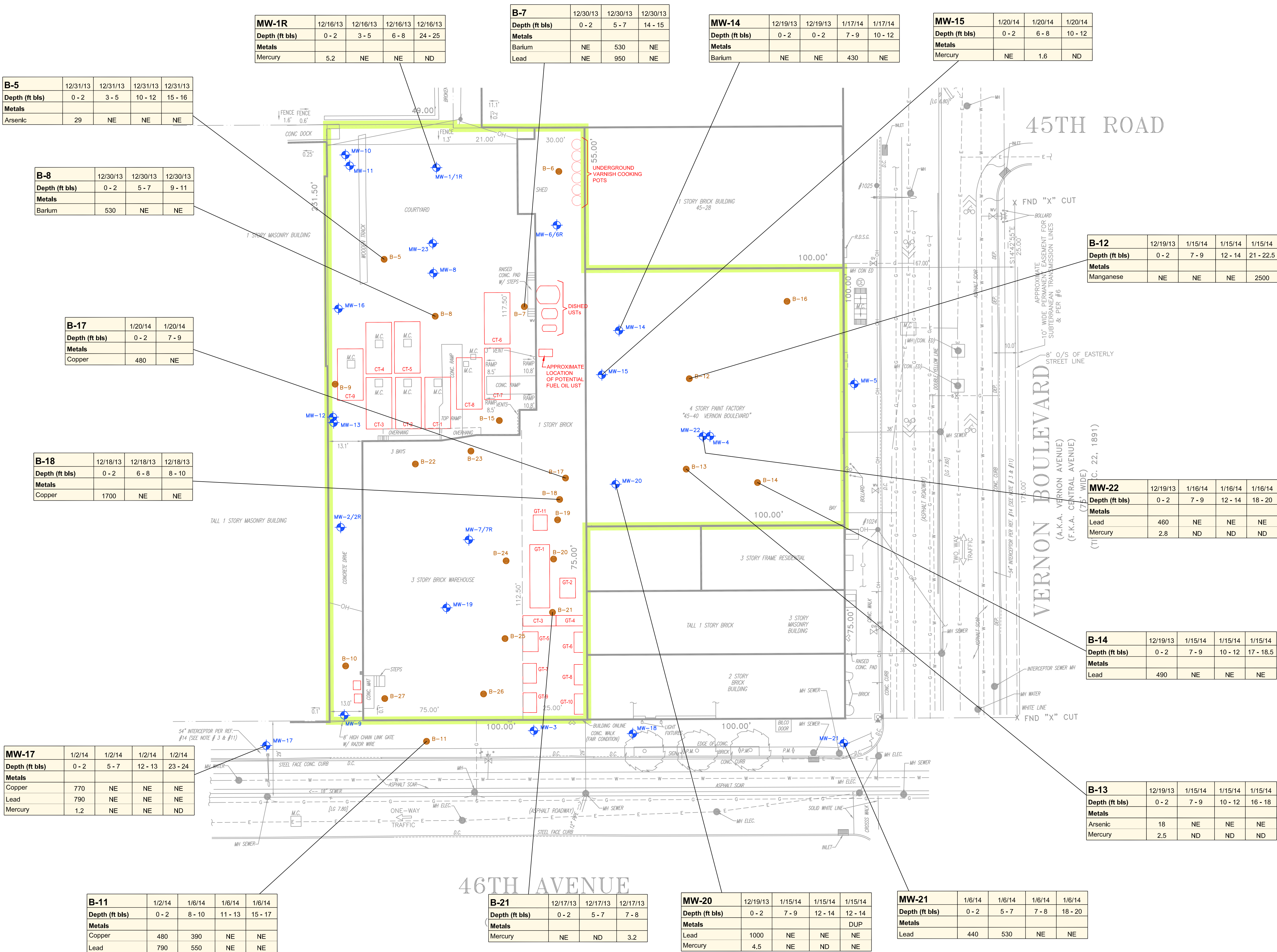
FORMER PARAGON PAINT & VARNISH FACTORY
LONG ISLAND CITY, NEW YORK

Prepared For:

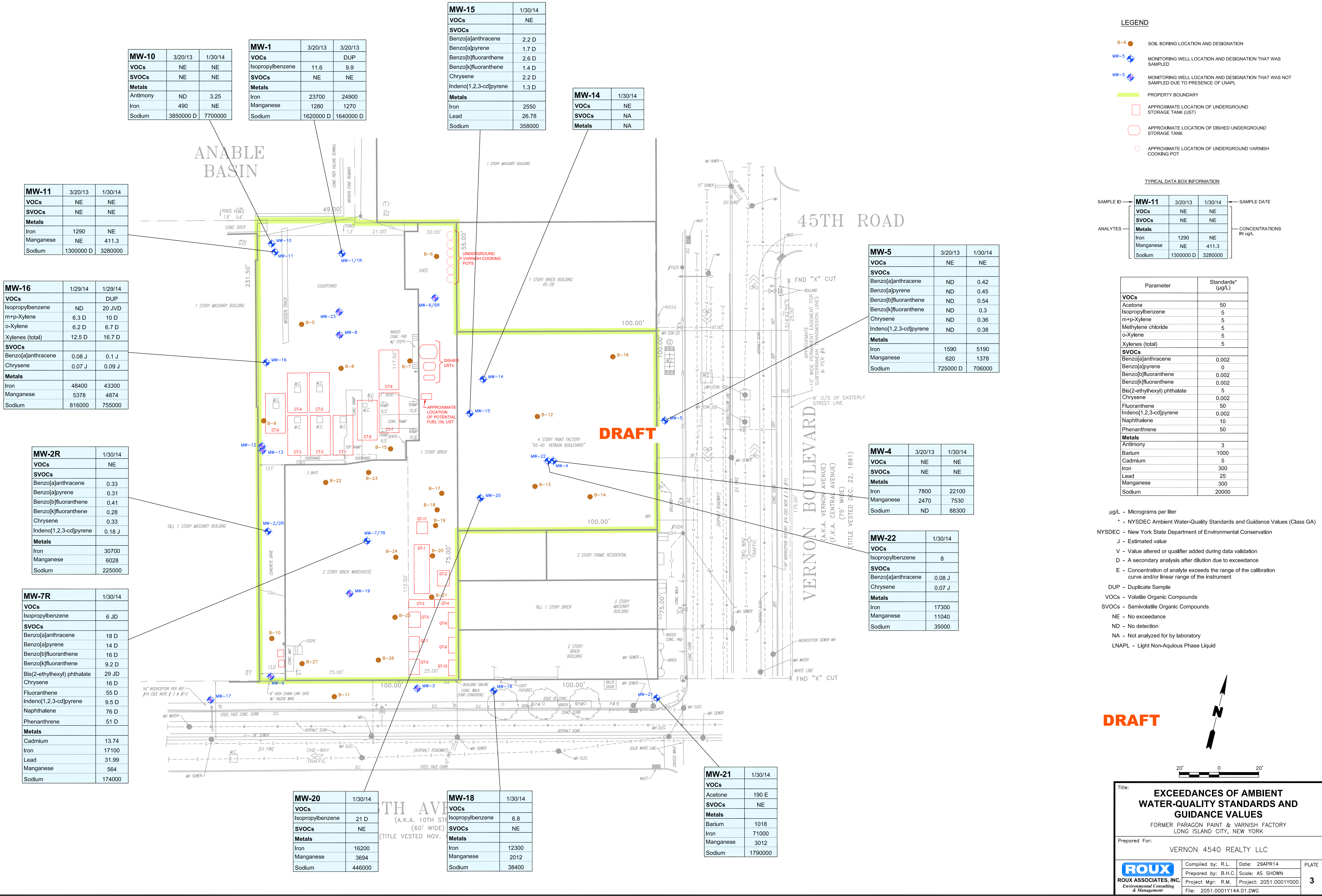
VERNON 4540 REALTY LLC

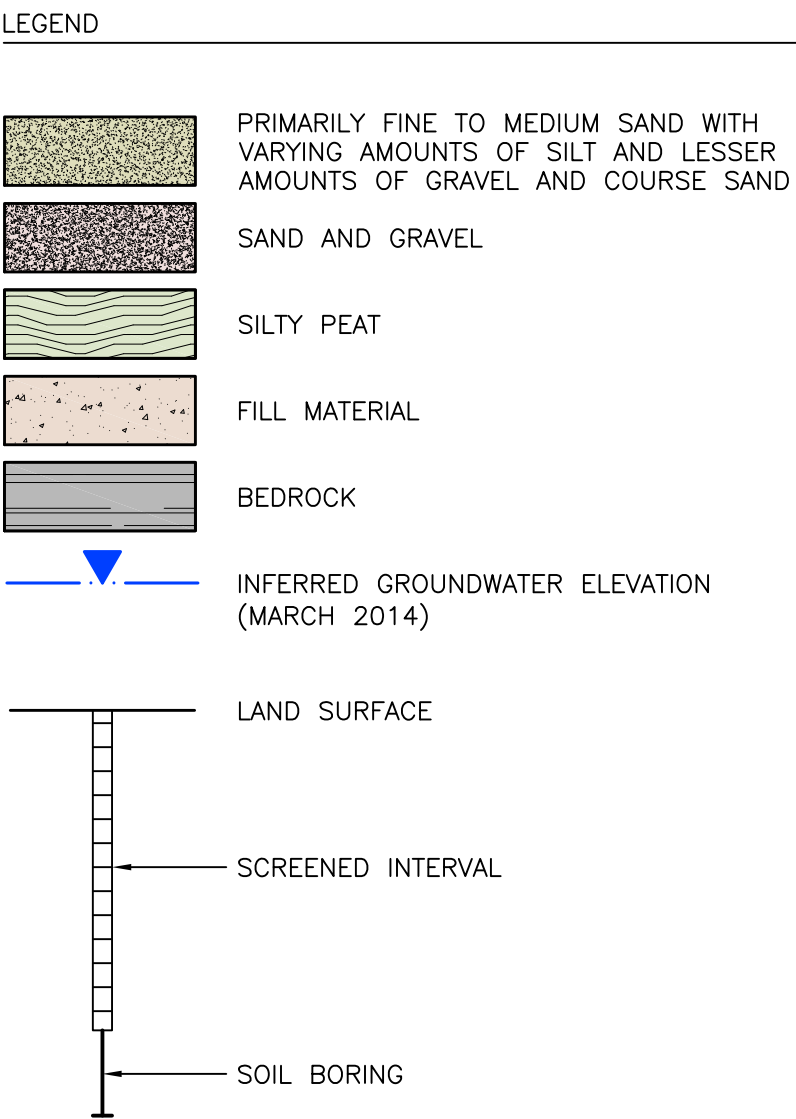
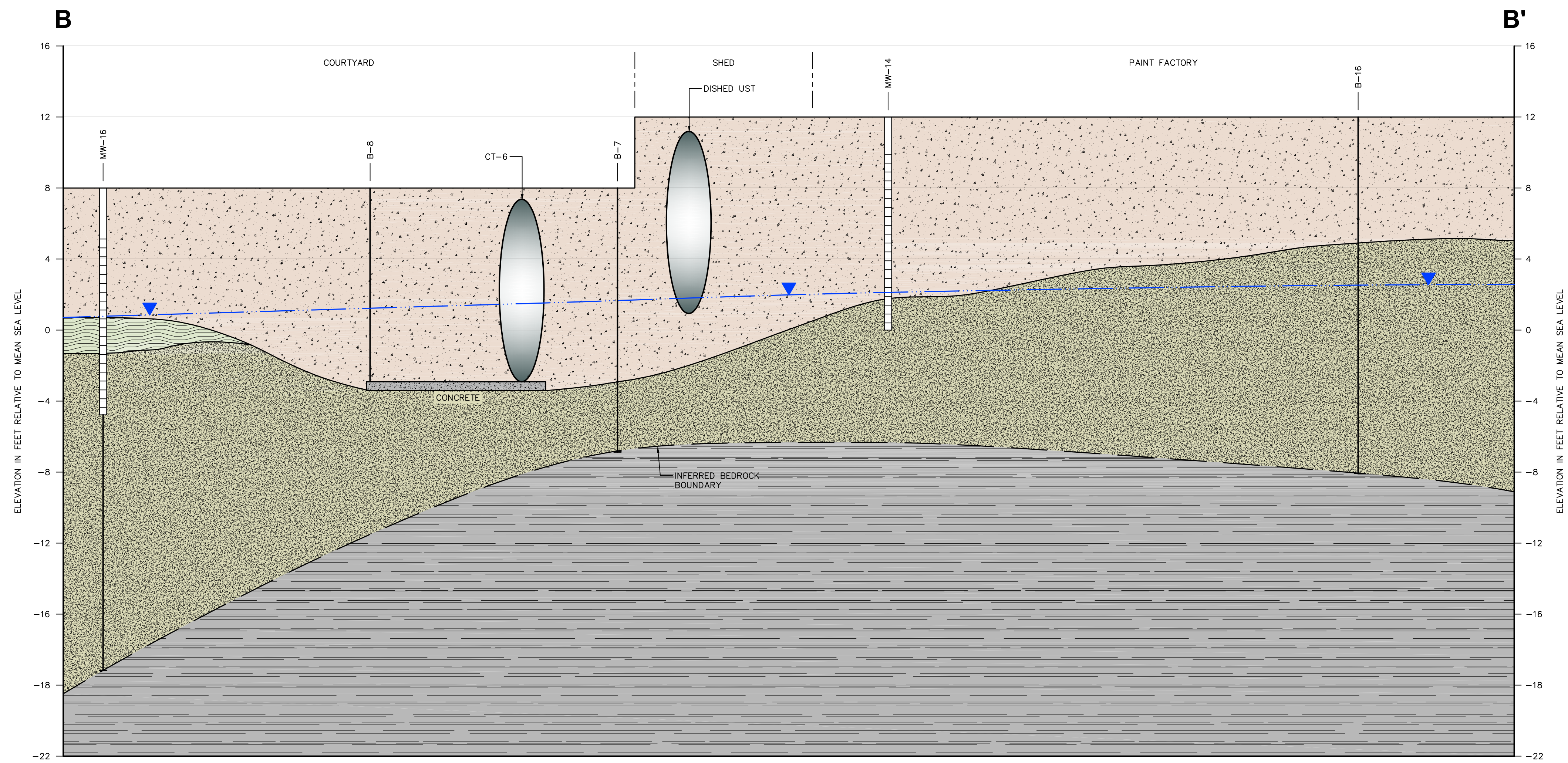
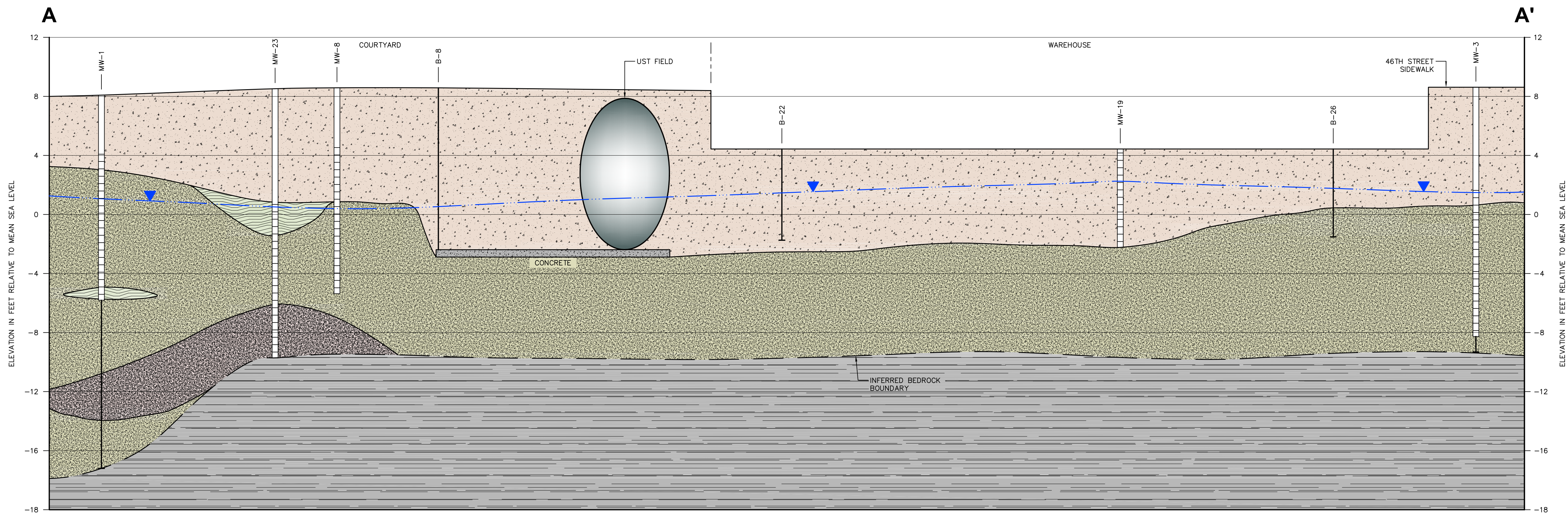
ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

Compiled by: R.L.	Date: 29APR14	PLATE
Prepared by: B.H.C.	Scale: AS SHOWN	
Project Mgr: R.M.	Project: 2051.0001Y000	
File: 2051.0001Y144.01.DWG		



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DRAFT

Title: HYDROGEOLOGIC CROSS SECTIONS A-A' AND B-B'				
FORMER PARAGON PAINT & VARNISH FACTORY LONG ISLAND CITY, NEW YORK				
Prepared For: VERNON 4540 REALTY LLC				
 ROUX ASSOCIATES, INC. <i>Environmental Consulting & Management</i>	Compiled by: R.M.	Date: 29APR14	PLATE	
	Prepared by: G.M.	Scale: AS SHOWN		
	Project Mgr: R.M.	Project: 2051.0001Y000		
	File: 2051.0001Y144.02.DWG			
4				