551 TENTH AVENUE

NEW YORK, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 13CVCP104M

Prepared for:

Extell 4110 LLC

805 Third Avenue, 7th Floor

New York, NY 10022

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REMEDIAL INVESTIGATION REPORT

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

LIST OF ACRONYMS

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

CERTIFICATION

I, Michelle Lapin, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the Extell 551 Tenth Avenue Site, (NYC VCP Site No. **13CVCP104M**). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

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

Site Location and Current Usage

The Site is located at 547-551 Tenth Avenue in the Hell's Kitchen section of Manhattan, New York and is identified as Block 1069, Lots 29 and 34 on the New York City Tax Map. Following redevelopment, the Site will also occupy Block 1069, Lot 9136, which is an air volume lot over the west-adjacent property. Figure 1 shows the Site location. The Site comprises 17,528 square feet and is bounded by West 41st Street to the north, West 40th Street to the south, Tenth Avenue to the east, and the Church of Saints Cyril and Methodius and Saint Raphael to the west. A map of the Site boundary is included as Figure 2. Currently, the Site is a vacant parking lot with an unoccupied and dilapidated one-story structure formerly used as an automotive repair garage and gasoline filling station in the northwestern portion of the Site. An abandoned parking attendant structure is located in the southeastern portion of the Site. The majority of the Site is covered with broken asphalt and gravel.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 52-story, approximately 727,000-gross square foot residential building with one sub-grade level that will include utility rooms (water supply, sewer, etc.), storage space, the superintendent's office, a management/leasing office and tenant amenities (game room, etc.) and ground-floor retail space. It is expected that the building will feature 380,000 square feet of market rate housing, 95,000 square feet of inclusionary housing, 93,000 square feet of community facility use, and 6,600 square feet of retail. The community facility, that is proposed to occupy the second through seventh floors of the building, has not yet been finalized. The proposed building footprint will occupy the entirety of the Site. The majority of the cellar level will be excavated to 13 feet below existing grade, with small pile cap areas excavated to a depth of 16 feet. The elevator pits located in the cellar level will be excavated to approximately 24 feet with small pile cap areas to a depth of 31 feet for these areas. Layout of the proposed site development is presented in Figure 3. The current zoning designation is C2-8, a zoning district in which residential, commercial, and community facilities

are allowed as-of-right. The proposed use is consistent with existing zoning for the property. Additional floor area ratio (FAR) is being sought for the development through an inclusionary housing bonus and a district improvement fund (DIF) bonus.

Summary of Past Uses of Site and Areas of Concern

Historic Sanborn fire insurance maps indicated that the Site was occupied by store-fronted dwellings from prior to 1890 to circa 1921, including a Chinese laundry noted on the 1911 and 1921 maps. An auto repair shop/filling station was noted on the northern portion of the Site on the 1950 through 2005 Sanborn maps, with four gasoline tanks shown on the 1950 through 1993 maps. The central and southern portions of the Site were vacant on the 1968 through 1985 maps, and an additional auto repair shop was noted on the central portion of the Site between 1990 and 2005. The southern portion of the Site was used as a parking lot between 1990 and 2005.

The Areas of Concern (AOCs) identified by investigations conducted at the Site include:

1. Site historical usage includes commercial laundry, automotive repair shop with hydraulic lifts, and a gasoline filling station.
2. Soil beneath the Site was observed to consist of fill material comprising sand and silt with concrete, gravel, brick, asphalt, wood, and ash to depths of approximately 10 to 16 feet below grade at the Site.
3. Active NYSDEC Spill No. 9503865 with bi-weekly product removal and monitoring.
4. Gasoline-contaminated soil and groundwater were identified in the vicinity of the former UST excavation area and automotive repair garage.
5. Petroleum product was observed in on-site monitor well MW-4 in the western portion of the Site and was reported to resemble No. 2 fuel oil.
6. An unknown reservoir suspected to be a waste oil pit was identified beneath the central portion of the automotive repair garage.

Summary of the Work Performed under the Remedial Investigation

Extell 4110 LLC performed the following scope of work in accordance with AKRF's December 2011 Remedial Investigation Work Plan (RIWP), which was approved by NYC OER:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.).

2. Conducted a Geophysical survey and test pit investigation to locate potential abandoned USTs or other buried structures, and to investigate the area beneath the hydraulic lifts in the former automotive repair garage to determine whether there were subsurface hydraulic tanks associated with the lifts.

3. Installed 13 soil borings across the entire project Site, and collected 23 soil samples for chemical analysis from the soil borings to evaluate soil quality.

4. Installed six temporary monitoring wells throughout the Site and sampled four existing on-Site groundwater monitoring wells throughout the Site to facilitate the collection of 10 groundwater samples for chemical analysis to evaluate groundwater quality.

5. Installed five soil vapor probes around the Site perimeter and collected five soil vapor samples for chemical analysis.

Summary of Environmental Findings

The following geologic and hydrogeologic conditions were noted by the Remedial Investigation at the Site:

1. Elevation of the Site is situated at an elevation of approximately 20 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level).

2. Depth to groundwater ranges from 11 to 16 feet at the Site.

3. Based on previous investigations conducted by others at the Site including groundwater gauging and a tidal study, groundwater flow is to the north and northeast.

4. Depth to bedrock is approximately 30 feet below grade at the Site.

5. Soil beneath the Site was observed during the RI to consist of historic fill material comprising sand and silt with concrete, gravel, brick, asphalt, wood and ash to depths of approximately 12 feet below grade at the Site. A layer primarily consisting of brick and ash was identified at approximately 5 to 7 feet below grade in the central portion of the Site. Apparent native material, consisting of sand, silt, and fine gravel to cobbles was observed beneath the fill layer extending into the groundwater table to the boring

termination depths. A peat layer was previously encountered at the Site at a depth of approximately 27 feet below grade by others.

6. The Geophysical survey and test pit investigation identified several anomalies and buried debris including a suspected former UST excavation in the northwestern portion of the Site; former building foundations and drainage piping traversing the central portion of the Site; a concrete pad overlying a void space that had been filled with building debris in the central portion of the Site; and buried scrap metal and a buried boiler tank in the southern portion of the Site. An unknown reservoir suspected to be a waste oil pit located beneath the automotive repair garage was also identified during the survey.

7. Investigation of the unknown reservoir beneath the automotive repair building identified the presence of approximately 210 gallons of a petroleum/waste oil mixture, which was subsequently removed with a vacuum truck for off-site disposal.

8. Various petroleum-related VOCs were detected at low-level concentrations in several soil samples. One VOC, n-propylbenzene, was detected at a concentration exceeding the unrestricted use SCO. SVOCs including benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1, 2, 3-cd)pyrene exceeded their unrestricted use as well as restricted residential SCOs, primarily in shallow and two deep soil samples. Metals including arsenic (16 ppm), barium (600 ppm), copper (210 ppm), lead (4,700 ppm), mercury (2 ppm), nickel (48 ppm) and zinc (1200 ppm) were detected above unrestricted use SCOs. Of these metals, arsenic, barium, copper, lead and mercury also exceeded restricted residential SCOs. Only one soil sample detected lead at a concentration of 4,700 ppm, all other lead concentrations were below 780 ppm. Three pesticides were detected exceeding unrestricted use SCOs; none of these exceeded restricted residential SCOs. PCBs were detected at trace levels.

9. Several petroleum and gasoline-related VOCs were detected exceeding their respective GQS. The highest detections of VOCs were identified within or in the vicinity of the automotive repair building. Chlorinated VOCs including trichloroethene (TCE), tetrachloroethene (PCE), 1, 1, 1-trichloroethane and carbon tetrachloride were detected at low level concentrations below the GQS. The SVOCs benzo(a)anthracene, naphthalene and chrysene were detected in groundwater at concentrations exceeding their GQS.

Metals including beryllium, chromium, iron, lead, magnesium, manganese, mercury, nickel and sodium were detected above GQS in unfiltered samples. Dissolved metal concentrations were significantly lower (with the exception of sodium). PCBs were not detected in groundwater. Three pesticides were detected in the groundwater at trace concentrations.

10. Several petroleum- related and chlorinated VOCs were detected in soil vapor samples. PCE was detected in all five soil vapor samples at concentrations ranging from 71.2 $\mu g/m^3$ to 161 $\mu g/m^3$. TCE was detected in two soil vapor samples at concentrations of 6.18 $\mu g/m^3$ and 10.7 $\mu g/m^3$.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Extell 4110 LLC has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.4-acre site located at 547-551 Tenth Avenue in the Hell's Kitchen section of Manhattan, New York. Mixed commercial, residential, and community based use is proposed for the property. The RI work has been ongoing since 1995 and the most recent investigation activities were performed between December 2011 and January 2012. Due to an open spill case with NYSDEC, (Spill # 9503865), monthly gauging of the on-site monitor wells has been performed since November 2011 and continues to date. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 SITE LOCATION AND CURRENT USAGE

The Site is located at 547-551 Tenth Avenue in the Hell's Kitchen section of Manhattan, New York and is identified as Block 1069, Lots 29 and 34 on the New York City Tax Map. Following redevelopment, the Site will also occupy Block 1069, Lot 9136, which is an air volume lot over the west-adjacent property. Figure 1 shows the Site location. The Site is 17,528 square feet and is bounded by West 41st Street to the north, West 40th Street to the south, Tenth Avenue to the east, and the Church of Saints Cyril and Methodius and Saint Raphael to the west. A map of the Site boundary is shown on Figure 2. Currently, the Site is a vacant parking lot and contains an unoccupied and dilapidated one-story structure formerly used as an automotive repair garage and gasoline filling station in the northwestern portion of the Site. An abandoned parking attendant structure is located in the southeastern portion of the Site. The majority of the Site is covered with broken asphalt and gravel.

1.2 PROPOSED REDEVELOPMENT PLAN

The proposed future use of the Site will consist of a 52-story, approximately 727,000-gross square foot residential building with one sub-grade level that will include utility rooms (water supply, sewer, etc.), storage space, the superintendent's office, a management/leasing office and tenant amenities (game room, etc.) and ground-floor retail space. It is expected that the building

will feature 380,000 square feet of market rate housing, 95,000 square feet of inclusionary housing, 93,000 square feet of community facility use, and 6,600 square feet of retail. The community facility, that is proposed to occupy the second through seventh floors of the building, has not yet been finalized. The proposed building footprint will occupy the entirety of the Site. The majority of the cellar level will be excavated to 13 feet below existing grade, with small pile cap areas excavated to a depth of 16 feet. The elevator pits located in the cellar level will be excavated to approximately 24 feet with small pile cap areas to a depth of 31 feet for these areas. Layout of the proposed Site development is presented in Figure 3. The current zoning designation is C2-8, a zoning district in which residential, commercial, and community facilities are allowed as-of-right. The proposed use is consistent with existing zoning for the property. Additional floor area ratio (FAR) is being sought for the development through an inclusionary housing bonus and a district improvement fund (DIF) bonus.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

Properties adjacent to or in the vicinity of the Site include predominantly mixed use residential, commercial, and retail buildings. The Lincoln Tunnel approach ramps are located south and southwest of the Site, and subsurface railroad tracks, which support regional rail service running through New York Penn Station, are located west of the Site.

Figures 1 and 2 depict surrounding land usage.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

Historic Sanborn fire insurance maps indicated that the Site was occupied by store-fronted dwellings from prior to 1890 to circa 1921, including a Chinese laundry noted on the 1911 and 1921 maps. An auto repair shop/filling station was noted on the northern portion of the Site on the 1950 through 2005 Sanborn maps, with four gasoline tanks shown on the 1950 through 1993 maps. The central and southern portions of the Site were vacant on the 1968 through 1985 maps, and an additional auto repair shop was noted on the central portion of the Site between 1990 and 2005. The southern portion of the Site was used as a parking lot between 1990 and 2005.

2.2 PREVIOUS INVESTIGATIONS

Phase I Environmental Site Assessment, Parsons Brinckerhoff, June 2004

Parsons Brinckerhoff (PB) performed a Phase I ESA of the property in June 2004 for the Metropolitan Transportation Authority (MTA)/New York City Transit and the New York City Department of City Planning as part of the environmental studies for the Hudson Yards Rezoning and Development Program. Recognized Environmental Conditions (RECs) identified in this investigation included:

- The site was used historically as a laundry, a gas station, and an automobile repair garage.
- The New York Spills database identified the subject property in association with open Spill Case No. 9503865. The on-site spill was reported to the New York State Department of Environmental Conservation (NYSDEC) in June 1995 when on-site gasoline tanks were being removed. The spill report indicated that corrective action was taken, but apparently no closure report was ever submitted.

Phase II Environmental Site Investigation Report Site M, Parsons Brinkerhoff, April 2006

PB performed a Phase II Environmental Site Investigation of the property in April 2006 for MTA/New York City Transit. Soil samples were collected from 10 boring locations spaced throughout the site. All soil samples were taken as composites over the complete depth of the boring. Boring depths ranged from 16 to 32 feet below grade. Groundwater samples were collected from three locations, one in the northwestern (temporary well point), one in the southwestern (temporary well point) and one in the central-eastern (permanent monitor well FD-303W) areas of the Site. Results of the investigation included:

- Pesticides were identified in shallow soil samples at three boring locations on the northern side of the Site.
- Petroleum odors and measurable photoionization detector (PID) readings were noted in soil from the four boring locations in the northern portion of the Site between 10 and 20 feet below grade. A slight petroleum odor was reported at one boring in the southern side of the Site.
- Historic fill covered the Site to depths of 10 to 16 feet. Some soil samples contained elevated levels of semivolatile organic compounds (SVOCs), mainly consisting of polycyclic aromatic hydrocarbons (PAHs) typical of historic fill material, which may contain ash or other wastes. Concentrations of some of these compounds exceeded NYSDEC Recommended Soil Cleanup Objectives (RSCOs) (the guidelines used at that time). Soil samples from the historic fill material encountered at the Site also contained concentrations of some metals slightly above their respective RSCOs.
- Petroleum-related compounds were detected in groundwater samples from two locations in the north and the central portions of the Site.

Phase I Environmental Site Assessment, AESI, July 2010

Atlantic Environmental Solutions, Inc. (AESI) conducted a Phase I Environmental Site Assessment (ESA) of the project Site in July 2010 for Solil Management, LLC, the Site's owner at the time. At the time of the Site reconnaissance, the Site was occupied by an MTA construction yard, including the former automotive repair garage.

AESI's report summarized previous environmental reports including the 2006 Phase II Investigation prepared by PB for the MTA (discussed above) and related correspondences and other documentation regarding a UST removal effort at the Site in 1995. According to the report, in 1995, 8 USTs were excavated and disposed of off-site, along with 83 tons of contaminated soil and 434 gallons of contaminated water. At the time of the UST excavation and removal, a spill was reported to the NYSDEC, which was designated spill number 9503865. The soil and groundwater testing conducted at that time focused on the petroleum contamination identified in the spill area (area of the removed USTs) only. Soil and groundwater samples were collected from borings advanced to depths ranging from 15 to 30 feet below grade. Soil analytical results indicated elevated concentrations of SVOCs, pesticides and metals. Groundwater analytical results indicated elevated concentrations of benzene in excess of drinking water standards.

On-site Recognized Environmental Conditions (RECs) identified in the 2010 Phase I ESA included: the Site's E designation; the open spill from the 1995 tank removals; a possible

additional UST remaining at the Site identified through an in-person interview of Site representatives at that time; soil and groundwater contamination noted in the 2006 Phase II report; hydraulic lifts located within the service area of the former auto repair shop; and drums and containers of compressor lubricant and kerosene, gas cylinders and a dumpster located on-site.

In the 2010 Phase I ESA, AESI recommended a testing protocol and remediation, where appropriate, to satisfy the E designation and a delineation of petroleum contamination (including the former tank area and hydraulic lift area) to address the spill with the open spill case. AESI also recommended a ground penetrating radar (GPR) survey to determine whether there was a remaining UST at the Site and removal and proper disposal of the drums, containers of petroleum products, gas cylinders and the dumpster noted on-site.

Summary Investigation Report, Hydraulic Lift Investigation, Former Auto Shop, 547-551 10th Avenue, New York, NY, AESI, October 2010

In accordance with a request from NYSDEC in a letter dated September 3, 2010, AESI completed an investigation of the hydraulic lifts at the Site in October 2010. The investigation consisted of four soil borings advanced around the two hydraulic lifts located in the former auto repair garage. Although petroleum contamination was not reported in the soil samples collected from these borings, groundwater collected from temporary wells installed in the borings contained benzene, ethylbenzene, toluene, and xylenes (BTEX) compounds in excess of drinking water standards. AESI recommended no further actions for soil in this area, however, they recommended removal of the hydraulic lifts. AESI also recommended installation of a groundwater monitor well adjacent to the automotive repair building to further evaluate groundwater conditions at the Site.

Summary Investigation Report of the Former UST System (NYSDEC Spill Case 9503865), AESI, March 2011

AESI's report attachments included:

- An August 9, 2010 cover letter from AESI to NYSDEC for submission of their July 2010 Phase I ESA.
- A September 2010 letter from NYSDEC to Sol Goldman Investments, L.L.C. % Solil Management Corp. regarding review of the Phase I ESA report. NYSDEC requested submission of a scaled site map, a description of possible soil contamination in the area of the hydraulic lifts, and delineation of soil and groundwater contamination and installation of monitoring wells around the former gasoline tank system.

- An October 13, 2010 Subsurface Investigation Work Plan submitted by AESI to NYSDEC for a subsurface investigation of soil and groundwater in the area of the former USTs. The fieldwork was scheduled to be conducted in November 2010, with the Remedial Investigation Report to be submitted in December 2010.

The report detailed the field work conducted in January 2011 that included three soil borings in the former UST system area east of the former auto repair shop on the northern portion of the Site (MW-1 through MW-3) and one boring south of the former auto repair shop (MW-4), in accordance with NYSDEC's September 2010 request. The borings were advanced to 27 feet below grade, where an organic/peat layer was identified. Each of the four borings was retrofitted with monitor wells to a depth of 25 feet, with 15 feet of screen and 10 feet of casing. Groundwater was encountered between 13-13.5 feet below grade. The wells were surveyed to enable a groundwater flow direction across the Site, which was determined to be north/northeast across the northern portion of the Site.

Soil analytical results identified elevated concentrations of volatile organic compounds (VOCs) and SVOCs. The SVOCs were reported to be consistent with historic fill materials noted at the Site, and not likely indicative of a discharge; however, benzene, ethylbenzene and total xylenes were noted that were indicative of a gasoline discharge. Groundwater analysis detected gasoline components, including methyl tert butyl ether (MTBE), benzene, ethylbenzene and total xylenes, also indicative of a gasoline release.

AESI recommended no further investigation for the SVOCs detected on-site, however, additional investigation was recommended to delineate the extent of the VOC-related soil and groundwater contamination prior to defining a remediation strategy.

Groundwater Monitoring Report, 547-551 10th Avenue, New York, NY, AESI, July 2011

A tidal survey, detailed in an AESI report dated July 29, 2011, was conducted, as requested by NYSDEC in a letter dated April 22, 2011. Based on pressure transducers installed in three of the four on-site monitor wells for two tidal cycles over a 24-hour period, there was little to no tidal effect on the on-site monitor wells. Groundwater was shown to flow in a north-northeast direction across the northern half of the Site. The well not included in the survey (MW-4) contained free phase product, which was determined to closely approximate No. 2 fuel oil. Laboratory analysis of the three on-site monitor wells that did not have free phase product contained typical gasoline constituents BTEX and MTBE above groundwater standards; however, AESI noted that these concentrations, with the exception of a slight increase of benzene in MW-2, were lower than the previous January 2011 sampling event.

Well Gauging Report, AESI, October 31, 2011

Upon request from NYSDEC, AESI conducted well gauging of the four on-site monitor wells

previously installed by AESI and vacuum-enhanced fluid recovery (EFR) at monitor well MW-4. The product removal from monitoring well MW-4 was conducted in conjunction with the bi-weekly gauging activities, as requested by the NYSDEC spill case manager.

The gauging events, beginning on August 16, 2011, measured the depth to water in each of the four monitor wells, the depth to product in monitor well MW-4 (free phase product had not been detected in any of the other wells), reported photoionization detector (PID) readings in the wells and noted the volume of petroleum-contaminated water extracted for off-site disposal. A product thickness of 0.4 feet was reported and 362 gallons of petroleum-contaminated water were removed from the well for off-site disposal during the first well gauging. The next well gauging conducted on August 30, 2011 detected a product thickness of 0.5 feet in MW-4. During the September 12, 2011 event, where 0.6 feet of product was measured at MW-4, 2,370 gallons of petroleum-contaminated water were pumped out for off-site disposal. The October 11, 2011 gauging event yielded a measurement of 0.3 feet of free phase product and the October 28, 2011 event yielded product thickness measurement of 0.4 feet. A total of 942 gallons of oil/water mixture was removed on October 28th for off-site disposal. AESI recommended continued gauging and stated that the product level appeared to be diminishing as a result of the vacuum extraction. As described in Section 4.0, these gauging events (in addition to those conducted subsequently by AKRF) are included in the Well Gauging Data table included in Appendix E.

2.3 SITE INSPECTION

Site inspections were performed under the direction of the Qualified Environmental Professional (QEP) during the completion of the RI in November and December 2011. Groundwater gauging and Site inspections have been performed on a monthly basis since November 2011. The findings of the Site inspections have been included throughout this RIR.

2.4 AREAS OF CONCERN

The AOCs identified during previous Phase I ESA inspections and subsequent subsurface investigation activities for this Site include:

1. Site historical usage includes a commercial laundry, an automotive repair shop with hydraulic lifts, and a gasoline filling station.
2. Soil beneath the Site was observed to consist of fill material comprising sand and silt with concrete, gravel, brick, asphalt, wood, and ash to depths of approximately 10 to 16 feet below grade.

3. Active NYSDEC Spill No. 9503865 with bi-weekly product removal and monitoring.
4. Gasoline-contaminated soil and groundwater were identified in the vicinity of the former UST excavation area and automotive repair garage.
5. Petroleum product was observed in on-site monitor well MW-4 in the western portion of the Site and was reported to resemble No. 2 fuel oil.
6. An unknown reservoir suspected to be a waste oil pit was identified beneath the central portion of the automotive repair garage.

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Michelle Lapin, P.E.

3.2 HEALTH AND SAFETY

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

3.3 MATERIALS MANAGEMENT

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Extell 4110 LLC performed the following scope of work in accordance with AKRF's December 2011 Remedial Investigation Work Plan (RIWP), which was approved by NYC OER:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.).
2. Conducted a Geophysical survey and test pit investigation to locate potential abandoned USTs or other buried structures, and to investigate the area beneath the hydraulic lifts in the former automotive repair garage to determine whether there were subsurface hydraulic tanks associated with the lifts.
3. Installed 13 soil borings across the entire project Site, and collected 23 soil samples for chemical analysis from the soil borings to evaluate soil quality.
4. Installed six temporary monitoring wells throughout the Site and sampled four existing on-site groundwater monitoring wells throughout the Site to facilitate the collection of ten groundwater samples for chemical analysis to evaluate groundwater quality.
5. Installed five soil vapor probes around Site perimeter and collected five soil vapor samples for chemical analysis.

4.1 GEOPHYSICAL INVESTIGATION AND RESULTS

A geophysical survey was performed on December 14, 2011 by Enviroprobe Service Inc. (Enviroprobe) of Moorestown, New Jersey to locate potential abandoned USTs or other buried structures, and to investigate the area beneath the hydraulic lifts in the former auto garage to determine whether there were subsurface hydraulic tanks associated with the lifts. The investigation was conducted using a Sensors and Software N250Plus cart-mounted Ground Penetrating Radar (GPR) unit with a 250 MHz antenna, a Radiodetection 4000T3 multi-frequency transmitter, a Radiodetection 4000 receiver, and a Fisher TW-6 metallic locator. The Site was first screened using the GPR and Fisher TW-6 unit. If evidence of anomalies were observed, the Radiodetection locator was then used to determine whether the anomalies were

utilities or other large subsurface metal objects. Finally, GPR profiles were collected over each metal-detector anomaly and inspected for reflections that could be indicative of USTs.

Access for the geophysical investigation was limited by the former parking attendant booth in the southeastern portion of the Site and certain areas of the interior of the automotive repair garage that were damaged or inaccessible.

Due to surface conditions and the underlying subsurface (buried fill material) conditions encountered at the Site, the GPR signal penetration was estimated at approximately three feet below grade in the majority of the accessible survey area. Several anomalies were identified during the GPR Survey.

Two small square-shaped anomalies were identified in the southern portion of the Site approximately 15 feet from the southern property line. Approximately 30 feet north of these anomalies, a trench-shaped anomaly was identified in an east-west direction toward Tenth Avenue. Approximately 15 feet north of the trench-shaped anomaly, a large rectangular anomaly measuring approximately 15 feet long by 6 feet wide was identified in the central portion of the Site. A second trench-shaped anomaly was identified in an east-west direction approximately 20 feet north of the rectangular anomaly and 15 feet south of the automotive repair building. A square-shaped anomaly was identified immediately east of this trench-shaped anomaly. A small, square-shaped anomaly was also identified in the northeastern corner of the Site. In addition, the area immediately north of the automotive repair garage in the northwestern corner of the Site was identified to consist of reinforced concrete. In the center of the reinforced concrete, the survey identified a square-shaped anomaly indicative of a former excavation area. A vent pipe located near the western property line was traced to this excavation area during the survey, which indicated a possible former UST area.

Survey activities conducted in the interior of the automotive repair garage could not identify the hydraulic fluid reservoirs associated with the hydraulic lifts due to interference from the metallic legs of the lifts and the density and make up of the reinforced concrete floor within the building. During the survey, an unknown pipe which appeared to lead to a sub-slab reservoir was

identified beneath the central portion of the automotive repair garage. A Radiodetection receiver was attached to the metallic piping associated with this unknown reservoir, and a signal was maintained approximately six feet south of the piping inlet. Other sub-slab piping, including a suspected water line attached to a former pressure washer and piping associated with the former bathroom, were identified and marked out within the automotive repair garage. These piping runs could not be traced out of the building due to interference with the reinforced concrete slab in the vicinity of the hydraulic lifts.

Enviroprobe's Geophysical Survey Report is included in Appendix B and anomalies identified during the GPR Survey are depicted on Figure 2.

4.2 TEST PIT INVESTIGATION AND RESULTS

Following the geophysical survey, a test pit investigation was conducted at the Site on December 22, 2011 by Brookside Environmental (Brookside) of Copiague, New York to further investigate the identified anomalies. A Caterpillar 304CR mini excavator was operated by Brookside with oversight from AKRF. Soil encountered during the test pit investigation was screened in the field for VOCs with a Thermo 580B PID.

Test pits were excavated in all exterior, accessible anomaly locations identified by the GPR survey. Test pits were not conducted inside of the automotive repair garage. The descriptions of the test pit investigations below correlate with the anomalies identified in Section 4.1, beginning in the southern portion of the Site and moving toward the north.

The investigation of the southernmost square-shaped anomaly identified a suspected buried boiler tank. The metallic tank was buried three feet below grade, measured approximately nine feet long by three feet wide and was concave at one end. The tank was not removed during the investigation, but appeared to be situated in the ground at an angle and buried among former building debris. A green fibrous insulation was identified along the side of the tank during the

investigation. The insulation was collected and analyzed for asbestos. Results of the insulation sample confirmed that the insulation contained asbestos.

Investigation of the small, square-shaped anomaly immediately north of the boiler tank identified buried scrap metal at approximately two feet below grade.

The east-west trending trench-shaped anomaly in the south-central portion of the Site approximately 30 feet north of the boiler tank and scrap metal was identified as a buried former brick building foundation wall.

The large rectangular-shaped anomaly located in the central portion of the Site was identified as an eight inch-thick concrete pad overlying buried former building debris including bricks, wood, pulverized concrete, and ash. Test pits in the vicinity of this anomaly identified former building debris to termination depths of approximately six feet below grade.

The east-west trending trench-shaped anomaly located approximately 20 feet north of the concrete pad and buried building debris was identified as a buried former brick building foundation wall. Each of the brick foundation walls discovered beneath the Site extended to depths of at least five feet below grade. Due to strength limitations of the mini-excavator and the scope of the investigation, the termination points of the building foundation walls were not determined. A former metallic drain and a few feet of associated piping (square-shaped anomaly immediately east of the buried building foundation) were identified approximately six inches beneath the asphalt surface, immediately east of the buried building foundation wall located in the north-central portion of the Site.

Test pits attempted in the vicinity of the anomaly in the northeastern portion of the Site were unsuccessful due to the thickness of the asphalt in this area. A test pit was also attempted in the western portion of the Site (in the vicinity of SB-4 on Figure 2), however, due to the thickness of the concrete slab in this area, could not be completed.

No visual evidence of contamination (PID readings, staining or odors) was identified to depths of approximately six feet below grade in the vicinities of any of the anomalies explored during the

Test Pit Investigation. No additional USTs or buried metallic debris were identified during the test pit investigation.

4.3 INVESTIGATION OF UNKNOWN RESERVOIR

A limited investigation was conducted in an attempt to identify the size, placement, and former use of the unknown reservoir located beneath the central portion of automotive repair garage. Generally, it appeared as an uncovered, circular metallic opening that protruded just above the concrete floor of the garage with a diameter of approximately four inches. The mouth of the pipe extended approximately two feet beneath the floor until it opened into an approximately three - foot deep reservoir. The upper foot of the reservoir was empty void space and the bottom two feet were filled with a petroleum mixture. An approximately two-foot layer of silty sediment was encountered beneath the petroleum mixture, at which point the reservoir appeared to terminate at a depth of approximately five feet below the grade of the concrete floor slab. It could not be determined whether the reservoir contained a solid bottom.

A sample was collected from the petroleum mixture contained within the reservoir on December 14, 2011, which separated into two phases – one dark brown and one light green. The sample was submitted to the laboratory and each product was analyzed to identify the types of petroleum present. Results indicated that the reservoir contained a heavier degraded gasoline and waste oil mixture floating on top of a lighter-color, water-based lubricating oil or motor oil. A laboratory report associated with the product collected during the investigation of the reservoir is included in Appendix H.

On December 22, 2011, Envirowaste Oil Recovery of Mahopac, New York used a vacuum truck to remove approximately 210 gallons of the petroleum mixture from the reservoir. A small amount of residual oil remained at the bottom of the reservoir that could not be recovered due to the presence of various types of debris (light bulbs, plastic bottles, cans, and caps), which blocked the vacuum hose. During groundwater gauging events that have been conducted subsequent to the fluid recovery performed from the reservoir, the contents of the reservoir

appear to be unchanged - a small amount of unrecoverable residual oil remains. Due to the unknown contents, structural integrity and location of the reservoir beneath the former automotive repair building, it is suspected to have been used as a waste pit/tank. Disposal documentation for the petroleum mixture transported off-site is included in Appendix G.

4.4 BORINGS AND MONITOR WELLS

Drilling and Soil Logging

Fourteen soil borings (SB-1 through SB-11, SB-11A, SB-12, and SB-13) were advanced during the investigation on December 28 and 29, 2011 to characterize and field-screen subsurface materials by Zebra Environmental Corp. (Zebra) of Lynbrook, New York. The soil boring locations are depicted on Figure 2. The drilling and sampling was completed using a track-mounted direct push Geoprobe drill rig. All non-dedicated drilling and sampling equipment was decontaminated between borings. Each soil sample was logged and screened for organic vapors with a PID, calibrated at the start of each work day with 100 parts per million (ppm) isobutylene. Due to the presence of a peat layer at the Site, methane was also monitored during the investigation. A record of the encountered geologic characteristics and the PID screening results are included in the soil boring logs, which are attached as Appendix C.

As required by the RIWP, one soil sample was collected from a shallow interval between 0 and 5 feet below grade (depending on field conditions) and one soil sample was collected from the one foot interval above the water table or from the interval of greatest observed contamination based on field observations (odor and staining) or PID readings from nine borings. Five delineation soil borings were advanced in the vicinity of monitor well MW-4. Dedicated sampling gloves and sampling devices were used for sample collection.

Boring logs were prepared by a geologist and are attached in Appendix C. A map showing the location of soil borings and existing/temporary monitor wells is shown in Figure 2.

Groundwater Monitoring Well Construction

Groundwater samples were collected from temporary monitoring wells installed by Zebra in six of the soil borings (SB-1, SB-2, SB-4, SB-7, SB-8, and SB-9); no permanent wells were installed. Temporary monitoring wells were installed by inserting new, one-inch diameter PVC well screen to span the overburden groundwater aquifer within each boring and completed with riser above the groundwater interface in each open borehole. The annulus around the well screens was filled with clean, number two silica sand. Additionally, four existing monitoring wells (MW-1 through MW-4) were developed and sampled. Older well FD-303W was not sampled at this time due to the unsecured nature of the access manway to the well and the condition of the well cap and exposed PVC piping (the well had been compromised).
Monitor well locations are shown in Figure 2.

Surveying

All soil, groundwater, and soil vapor sampling locations established as part of the RI were collected immediately following the investigation activities with a Trimble Geo XH handheld GPS device and Geobeacon Receiver.

Water Level Measurement

Groundwater gauging was conducted by AKRF from each of the temporary monitoring wells installed during the RI. In addition, gauging of existing on-Site monitor wells MW-1 through MW-4, FD-303W, W1, W1-40, and W2 was completed on at least a monthly basis beginning on November 18, 2011. Due to the presence of free product previously identified in monitor well MW-4, an absorbent sock was added to the well on December 6, 2011. Gauging events subsequent to adding the absorbent sock to monitor well MW-4 have not identified any measurable free product. During each gauging event conducted following the initial insertion of the absorbent sock, the sock has been removed from the well and replaced with a new sock. Absorbent socks removed from monitor well MW-4 have shown approximately three to six

inches of an oily sheen absorbed into the hydrophobic material. A table displaying the gauging data and observations made during the gauging events is included as Appendix E.

4.3 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

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

Soil Sampling

Twenty three soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 1 through 4. Figure 2 shows the location of samples collected in this investigation. Laboratories and analytical methods are discussed below.

Groundwater Sampling

Ten groundwater samples were collected for chemical analysis during this RI. Groundwater sample collection data is reported in Tables 5 through 8. Sampling logs with information on purging and sampling of groundwater monitor wells is included in Appendix D. Figure 2 shows the location of groundwater samples collected during this investigation. Laboratories and analytical methods are discussed below.

Soil Vapor Sampling

Five soil vapor probes were installed and five soil vapor samples were collected for chemical analysis during this RI. All sample locations were from the exterior areas of broken asphaltic surfaces at the Site (see Figure 2). The soil vapor sampling points were installed by Zebra by

using a direct-push probe (i.e., Geoprobe) system to advance a 0.75-inch diameter hollow probe rod fitted with an expendable 6-inch long stainless steel screened drive point to a depth of approximately nine feet below ground surface. Dedicated Teflon tubing with threaded fittings was connected to the probe. The hollow probe rod was then removed and the boring was backfilled with clean silica sand to one foot above the screen. Hydrated bentonite was used to fill the remaining void around the sampling tubing to ground surface.

Prior to sampling, each soil vapor point was purged of three sampler volumes using a peristaltic pump. During purging, an inverted one-gallon bucket was placed over the sampling point and helium gas was introduced through a small hole in the bucket to saturate the atmosphere around the sample port with helium gas. The purged vapors were collected into a Tedlar bag and monitored using a portable helium detector to check for short-circuiting of ambient air into the vapor sampling point and verify the adequacy of the bentonite seal. Helium concentrations of less than 10 percent were considered sufficient to verify a tight seal. All soil vapor points passed the seal integrity tests with helium readings ranging from not detected (ND) to 10 parts per million (ppm). Purged vapors were also field-screened for organic vapors using a PID. Soil vapor sample SG-4 exhibited a PID reading of 1.1 ppm. No other detections were recorded at the remaining sample locations. After purging, each probe was connected via Teflon tubing to a laboratory-supplied 6-liter SUMMA canister equipped with a 0.1 liter per minute (L/min) flow regulator. Soil vapor samples were collected in SUMMA canisters for an approximately 2-hour sampling period.

Soil vapor sampling locations are shown on Figure 2. Soil vapor sample collection data is reported in Table 9. Soil vapor sampling logs are included in Appendix F. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006* and ASTM E 2600-08 "Standard Practice for Assessment of Vapor Intrusion into Structures on Property Involved in Real Estate Transactions".

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Dustin Kapson of AKRF, Inc.
Chemical Analytical Laboratory	Chemical analytical laboratories used in the RI are NYS ELAP certified and were Alpha Analytical Laboratories of Westborough, Massachusetts (Soil and Groundwater) and Mansfield,

	Massachusetts (Soil Vapor).
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000). Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000). Soil vapor analytical methods: • VOCs by EPA Method TO-15 for VOCs.

Quality Assurance/Quality Control Sampling

For quality assurance/quality control (QA/QC) purposes, one trip blank was sent with the collected soil samples (TB-S) and one trip blank was sent with the collected groundwater samples (TB-W) for laboratory analysis. The trip blanks were analyzed for VOCs by EPA Method 8260 to check for contamination during transport and sampling procedures. None of the analytical compounds were detected in either of the trip blanks.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 1 through 9. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix H.

5.0 ENVIRONMENTAL EVALUATION

5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

Stratigraphy

Organic vapors were detected with the PID at concentrations exceeding background conditions in borings SB-5, SB-7, SB-8, SB-9, SB-11, SB-11A and SB-13 located in the central to northeastern portions of the Site. PID concentrations ranging from 2.5 ppm to 74.7 ppm were detected in these borings, with the highest detections observed between depths of 13 to 15 feet below grade in boring SB-11 advanced immediately west of monitor well MW-4 and boring SB-8 advanced in the northeastern portion of the Site. Petroleum-like odors were observed at similar depths (13 to 15 feet) within SB-11 and SB-11A. Gasoline-like odors were observed at similar depths above and in the vicinity of the groundwater table in borings SB-6, SB-7 and SB-8. A mixed petroleum and gasoline-like odor was identified in boring SB-9. Petroleum odors were identified in groundwater sampled from each of the monitor wells (MW-1 through MW-4) and from temporary wells TW-7, TW-8, and TW-9. A petroleum sheen was identified on the water table at temporary well TW-9. Petroleum contamination was not identified in soil below the groundwater table. Organic vapors were not detected with the PID in the remaining borings or samples. Methane concentrations were not detected above background conditions during the investigation. Soil descriptions, observations, and PID readings were recorded on the soil boring logs provided in Appendix C.

Historic fill material, consisting of sand, with silt, fine gravel, brick, ash, concrete, and asphalt was present to depths of approximately 12 feet below grade in most borings and extended to approximately 15 feet below grade in the northeastern portion of the Site. A layer primarily consisting of brick and ash was identified at approximately 5 to 7 feet below grade in the central portion of the Site. Apparent native material, consisting of sand, silt, and fine gravel to cobbles was observed beneath the fill layer extending into the groundwater table to the boring termination depths. Groundwater was encountered between 13 and 16 feet below grade during the drilling activities.

Geoprobe refusal was encountered in boring SB-8 located in the northeastern portion of the Site at approximately 15 feet below grade due to suspected cobbles. An approximately one-foot thick

piece of wood was encountered in this boring from 12 to 13 feet below grade. Geoprobe refusal was also encountered in the area in the vicinity of monitor well MW-4, approximately 20 feet south of the automotive repair garage. Refusal occurred on suspected cobbles or boulders at depths ranging from 12 to 15 feet in borings SB-10, SB-11A, SB-12, and SB-13. U.S. Geological Survey reports indicate that bedrock beneath the site is expected at a depth of approximately 30 feet below grade.

Hydrogeology

A table of water level data for all monitor wells is included in Appendix E. The average depth to groundwater is approximately 13.5 feet below grade and the range in depth is approximately 11 feet below grade to 16 feet below grade. Based on previous investigations conducted by others at the Site, including groundwater gauging and a tidal study, groundwater flow is to the north and northeast. Groundwater flow direction can be affected by many factors, including past filling activities, underground utilities and other subsurface features such as subway lines, basements, and bedrock geology. Dewatering activities associated with nearby construction projects or the subway/railroad lines can also affect groundwater flow direction. Groundwater in Manhattan is not used as a source of potable water.

5.2 SOIL CHEMISTRY

Two primary soil samples were collected for characterization purposes from borings SB-1 through SB-9. Five delineation soil borings (SB-11, and SB-11A through SB-13) were advanced in the vicinity of monitor well MW-4. Soil sample analytical results were compared to the NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) listed in 6 NYCRR Subpart 375, Part 375 Soil Cleanup Objectives for Restricted – Residential Use (RSCOs), and Part 375 Soil Cleanup Objective for the Protection of Groundwater (GWSCOs).

Volatile Organic Compounds in Soil

The petroleum-related compound n-propylbenzene was detected in soil sample SB-11(14-15) at a concentration of 6.1 ppm, exceeding the NYSDEC UUSCO of 3.9 ppm. This concentration does not exceed the NYSDEC RSCO. N-propylbenzene was also detected in four other soil

samples [including SB-11A(14-15)]; however, these detections ranged from 0.003 ppm to 0.49 ppm and did not exceed the NYSDEC UUSCO or RSCO.

Various other petroleum-related compounds including 1,2,4,5-tetramethylbenzene, 1,2,4-trimethylbenzene, isopropylbenzene, 1,4-diethylbenzene, 4-ethyltoluene, naphthalene, n-butylbenzene, xylenes, p-isopropyltoluene, sec-butylbenzene, and/or tert-butylbenzene were detected at low-level concentrations in several soil samples. None of these petroleum-related detections exceeded respective NYSDEC UUSCOs or RSCOs. The majority of these detections were identified in the soil samples collected immediately above the groundwater table.

1,2-dichloroethane (1,2-DCA) was detected in twelve soil samples ranging from a concentration of 0.0024 ppm to 0.0093 ppm. None of these concentrations exceeded the UUSCO of 0.02 ppm.

It should be noted that, due to a dilution factor of 40 used in soil samples SB-5(4-5), SB-8(14-15), SB-9(14-15), SB-11(14-15) and SB-11A(14-15), select reporting limits (as shown on Table 1) were elevated due to elevated concentrations of target and non-target compounds, which prohibited laboratory instruments from analyzing at or below NYSDEC UUSCOs for some compounds. Soil sample results for VOCs are listed in Table 1.

Semivolatile Organic Compounds in Soil

SVOCs were detected in 20 of the 23 three soil samples analyzed. Polycyclic aromatic hydrocarbons (PAHs) including benzo[a]anthracene (28 ppm), benzo[a]pyrene (26 PPM), benzo[b]fluoranthene (24 ppm), benzo[k]fluoranthene (26 ppm), chrysene (27 ppm), dibenzo(a,h)anthracene (6.6 ppm), and indeno[1,2,3-cd]pyrene (13 ppm) exceeded their respective NYSDEC UUSCOs in up to seven samples. Five soil samples SB-5(2-3), SB-6(1-2), SB-8(4-5), SB-11A (14-15), and SB-12(11-12) exhibited PAHs (including benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo [k]fluoranthene, chrysene, dibenzo(a,h)anthracene, and/or indeno[1,2,3-cd]pyrene) concentrations exceeding NYSDEC RSCOs. The SVOC 2-methylnaphthalene was detected in four soil samples at concentrations ranging from 0.5 ppm to 1.2 ppm, which slightly exceed the NYSDEC RSCO of 0.41 ppm. With the exception of the exceedances of the UUSCOs/RSCOs detected in soil samples SB-11A(14-15) and SB-12(11-12),

PAH exceedances were identified within shallow soils well above the groundwater table. These detections may be attributed to historic fill material at the Site. Soil sample results for SVOCs are listed in Table 2.

Metals in Soil

A review of the analytical results indicates that 22 of the 23 metals analyzed were detected in one or more of the 18 soil samples analyzed. Arsenic was detected in soil sample SB-5(2-3) at a concentration of 16 ppm, slightly exceeding the NYSDEC UUSCO of 13 ppm. This concentration does not exceed the NYSDEC RSCO.

Barium was detected in three soil samples [SB-3(1-2), SB-5(2-3) and SB-8(4-5)] at a maximum concentration of 600 ppm, exceeding Track 1 Unrestricted Use and Restricted Residential SCOs.

Copper was detected in three soil samples [SB-2(0-1), SB-3(1-2), and SB-5(2-3)] at a maximum concentration of 210 ppm, exceeding both Unrestricted and Restricted Residential Use SCOs.

Lead was detected in 13 soil samples at concentrations ranging from 38 ppm to 4,700 ppm, exceeding the Restricted Residential SCO. One soil sample, SB-8(4-5), exhibited lead at a concentration of 4,700 ppm; all other lead concentrations were below 780 ppm.

Mercury was detected in 12 of the 18 soil samples at a maximum concentration of 2 ppm, exceeding Unrestricted Use and Restricted Residential Use SCOs.

Nickel was detected in soil sample SB-1(3-4) at a concentration of 350 ppm, which exceeds both the Unrestricted Use SCO of 30 ppm and the Restricted Residential Use SCO of 140 ppm. Nickel was also detected in soil sample SB-3(1-2) at a concentration of 48 ppm, exceeding the NYSDEC UUSCO of 30 mg/kg.

Zinc was detected in 7 of the 18 soil samples at a maximum concentration of 1,200 ppm, exceeding the Unrestricted Use SCO.

In the absence of other indications of contamination at the Site, these metals do not appear indicative of a release at the Site, can be attributable to historic fill materials, and are not constituents of concern for this investigation. Soil sample results for metals are listed in Table 3.

Polychlorinated Biphenyls and Pesticides in Soil

A review of the laboratory analytical results indicates that the PCB Aroclor 1260 was detected in two soil samples, at an estimated concentration of 0.0202 ppm in soil sample SB-3(1-2) and an estimated concentration of 0.018 ppm in soil sample SB-5(2-3). Both of these detected concentrations are below the NYSDEC UUSCO of 0.1 ppm.

Pesticides were detected in 6 of the 18 soil samples analyzed at concentrations exceeding NYSDEC UUSCOs. Pesticides detected in exceedance of UUSCOs included 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, and chlordane. None of these detections exceeded their respective Restricted Residential SCOs. Soil sample results for PCBs and pesticides are listed in Table 4.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. Summary data tables for chemical analyses performed on soil samples are included in Tables 1 through 4.

5.3 GROUNDWATER CHEMISTRY

The six temporary monitor wells TW-1, TW-2, TW-4, TW-7, TW-8, and TW-9 and four existing monitor wells MW-1 through MW-4 were gauged, purged, and sampled in accordance with the NYC OER-approved RIWP. Groundwater sample analytical results were compared to the NYSDEC Class GA Ambient Water Quality Standards (GQS).

Volatile Organic Compounds in Groundwater

VOCs were detected in all but one (TW-1) groundwater samples collected during the investigation. Groundwater samples collected in the southern and west-central portion of the Site did not exhibit exceedances of GQS. Several petroleum- and gasoline-related VOCs were detected exceeding their respective GQS located within or in the vicinity of the former automotive repair building.

The highest detections of VOCs were identified within the automotive repair building in close proximity to the southern hydraulic lift. Ethylbenzene was detected in groundwater sample TW-

9 at a concentration of 1,400 micrograms per liter (µg/l) (the GQS is 5 µg/l) and benzene was detected at a concentration of 280 µg/l (the GQS is 1 µg/l). Other petroleum- and gasoline-related VOCs detected above their respective GQS in groundwater sample TW-9 include 1,2,4,5-tetramethylbenzene, 1,3,5-trimethylbenzene, isopropylbenzene, n-butylbenzene, n-propylbenzene, naphthalene, toluene and xylenes. In addition, the plastic-related VOC acrylonitrile was detected at an elevated concentration above its GQS in groundwater sample TW-9.

Groundwater sample TW-7 exhibited concentrations of 1,2,4,5-tetramethylbenzene, benzene, isopropylbenzene, and n-propylbenzene exceeding their respective GQS. Groundwater sample TW-8 exhibited only MTBE at a concentration exceeding its GQS.

Detections of gasoline-related VOCs identified in monitor wells MW-1 through MW-3 were similar to the previous sampling event conducted in June 2011 with the highest concentrations identified in monitor well MW-1 (benzene concentration of 40 µg/l). No non-aqueous phase liquid (NAPL) was identified in monitor well MW-4 during the sampling event. Therefore, monitor well MW-4 was also sampled at this time. The groundwater sample collected from monitor well MW-4 also exhibited similar gasoline-related VOCs at slightly lower concentrations. Gasoline-related VOCs that were detected in at least one of the wells at concentrations exceeding their respective GQS included 1,2,4,5-tetramethylbenzene, benzene, ethylbenzene, isopropylbenzene, n-butylbenzene, n-propylbenzene, and sec-butylbenzene.

The VOC trichloroethene (TCE) was detected at low level concentrations below the GQS of 5 µg/l in the groundwater samples collected from monitor wells MW-1 through MW-4. Groundwater sample results for VOCs are listed in Table 5.

Semivolatile Organic Compounds in Groundwater

SVOCs were detected in each of the groundwater samples collected during the investigation (including all temporary and permanent monitor wells sampled). The SVOCs benzo(a)anthracene and chrysene were both detected at estimated concentrations of 0.08 µg/l in groundwater sample MW-3, which exceed the GQS of 0.002 µg/l for both compounds. These

compounds are most likely attributable to historic fill material at the Site and are not indicative of a release. No other SVOCs were detected at concentrations exceeding their respective GQS. Groundwater sample results for SVOCs are listed in Table 6.

Metals in Groundwater

Metals were detected in both the unfiltered and filtered samples, with concentrations of nine metals (beryllium, chromium, iron, lead, magnesium, manganese, mercury, nickel and sodium) exceeding their respective GQS in one to ten unfiltered groundwater samples. Concentrations in the filtered samples were significantly lower (with the exception of sodium), with beryllium, iron, magnesium, manganese, and sodium exceeding their respective GQS in one to ten samples. Lead was detected in unfiltered samples at concentrations ranging from 14 to 155 µg/l, and in filtered samples at concentrations below the GQS ranging from an estimated concentration of 3 to 23 µg/l (the GQS for lead is 25 µg/l). Four metals detected in the unfiltered samples (chromium, lead, mercury and nickel) were not detected in the filtered samples. The analytical results suggest that the higher metals concentrations in the unfiltered samples were primarily due to suspended sediments entrained in the collected samples. Groundwater sample results for metals are listed in Table 7.

Polychlorinated Biphenyls and Pesticides in Groundwater

A review of the laboratory analytical results indicates that no PCBs were detected at concentrations exceeding laboratory reporting limits for any of the groundwater samples.

Three pesticides were detected in the groundwater samples analyzed. The pesticide heptachlor epoxide was detected in groundwater sample MW-1 at an estimated concentration of 0.016 µg/l, which is below its GQS of 0.03 µg/l. The pesticide endosulfan II was detected in groundwater sample MW-2 at an estimated concentration of 0.016 µg/l. Endosulfan II does not have an established GQS. The pesticide endosulfan I was detected in groundwater sample MW-4 at a concentration of 0.071 µg/l. Endosulfan I does not have an established GQS. No other pesticides were detected in the groundwater samples. The pesticides detected in groundwater

were not detected in on-site soils. Groundwater sample results for PCBs and pesticides are listed in Table 8.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. Summary data tables for chemical analyses performed on groundwater samples are included in Tables 5 through 8. Exceedances of applicable groundwater standards are shown.

5.4 SOIL VAPOR CHEMISTRY

Analytical results for soil vapor samples collected from beneath exterior asphaltic surfaces at the Site were compared to the NYSDOH Air Guideline Values (AGVs) of the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006. AGVs are intended as a reference for indoor air quality and are not directly applicable to soil vapor sample results. A review of the soil vapor sample analytical results indicated that 31 of the 64 VOCs analyzed utilizing EPA Method TO-15 were detected in one or more of the samples. The NYSDOH has established AGVs for three of the VOCs analyzed [methylene chloride, tetrachloroethene (PCE), and trichloroethene (TCE)]. PCE was detected in all five soil vapor samples at concentrations ranging from 71.2 $\mu g/m^3$ to 161 $\mu g/m^3$. Four of the five soil vapor samples exhibited PCE at concentrations greater than the AGV of 100 $\mu g/m^3$. TCE was detected in soil vapor sample SG-2 at a concentration of 6.18 $\mu g/m^3$ which is greater than the AGV of 5 $\mu g/m^3$. Methylene chloride was detected below laboratory detection limits in all of the soil vapor samples analyzed.

The compounds that were detected during the sub-slab soil vapor sampling are a combination of chlorinated solvents and gasoline/petroleum-related constituents. Field or analytical evidence of an on-site source area for chlorinated solvent contamination was not identified during the RI activities; however, residual contamination associated with the former gasoline filling station and automotive repair facility was identified and may have contributed to these results. Overall, the results indicate a need for remedial action to address the potential for intrusion of soil vapors into occupied structures built onsite.

Analytical results for sub-slab soil vapor samples are presented in Table 9.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site based on the proposed redevelopment. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 9.

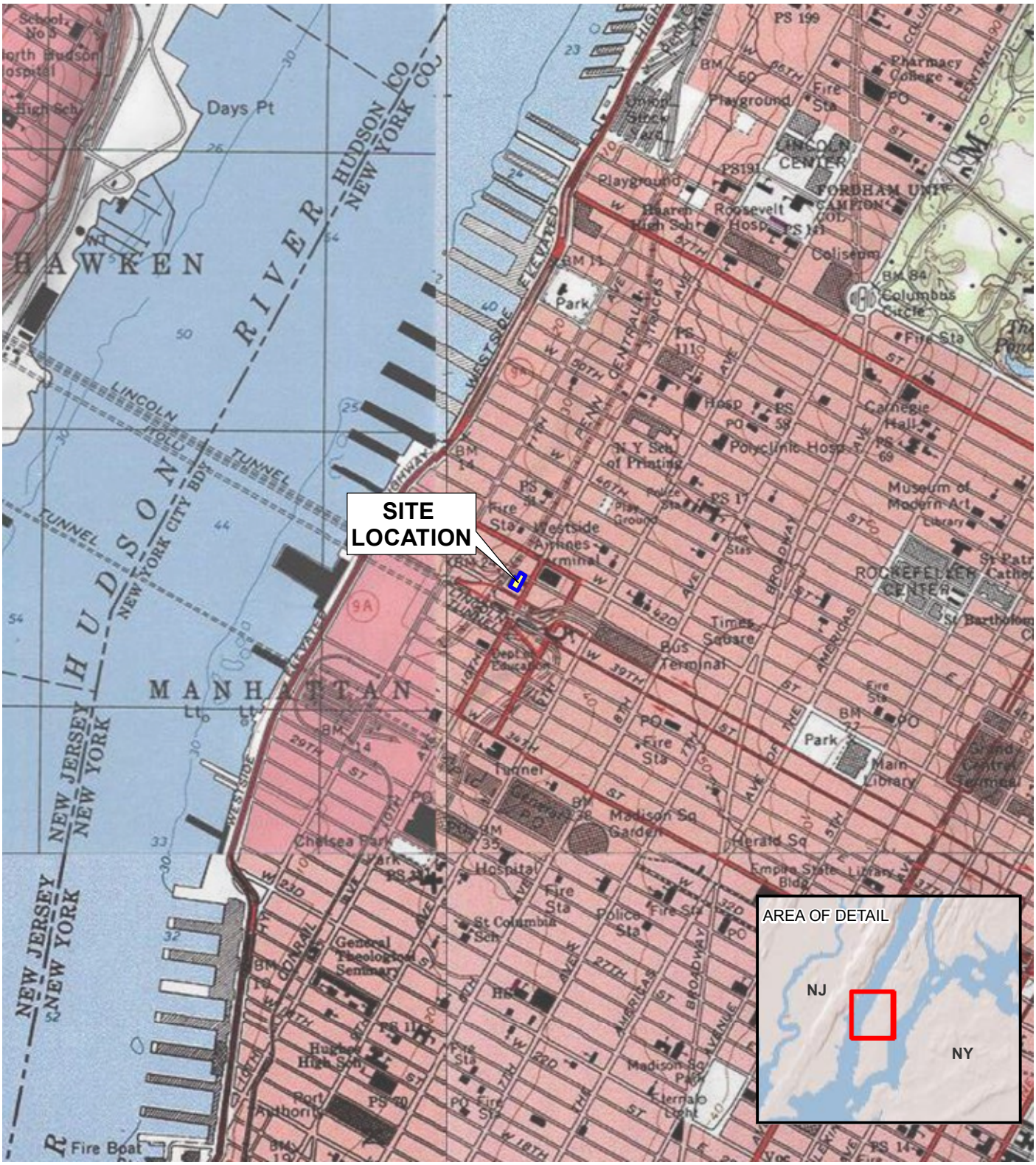
5.5 PRIOR ACTIVITY

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

5.6 IMPEDIMENTS TO REMEDIAL ACTION

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

FIGURES



SOURCE
USGS 7.5 Minute Topographic Map
Flushing Quad 1995

0 1,000 2,000 Feet

547-551 TENTH AVENUE
NEW YORK, NEW YORK

PROJECT SITE LOCATION

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE
1/20/2012
PROJECT No.
11454
FIGURE
1

LEGEND:

- PROJECT SITE BOUNDARY
- LOT LINE
- FORMER BUILDING FOOTPRINT
- HYDRAULIC LIFTS
- FORMER UNDERGROUND STORAGE TANK AREA
- GROUND PENETRATING RADAR ANOMALY
- SB\TW-1 — SOIL BORING/TEMPORARY WELL
- SB-6 — SOIL BORING
- MW-4 — EXISTING MONITORING WELL, AESI, 2011
- SG-5 — SOIL GAS SAMPLING LOCATION
- FD-303W — EXISTING MONITORING WELL, PB TEAM 2005
- W1-40 — EXISTING MONITORING WELL, GEOTECHNICAL SUBSURFACE INVESTIGATION, FPM GROUP, 2007

0' 15' 30' 60'
SCALE IN FEET

AKRF
Environmental Consultants
440 Park Avenue South, New York, NY 10016

547-551 TENTH AVENUE
NEW YORK, NEW YORK

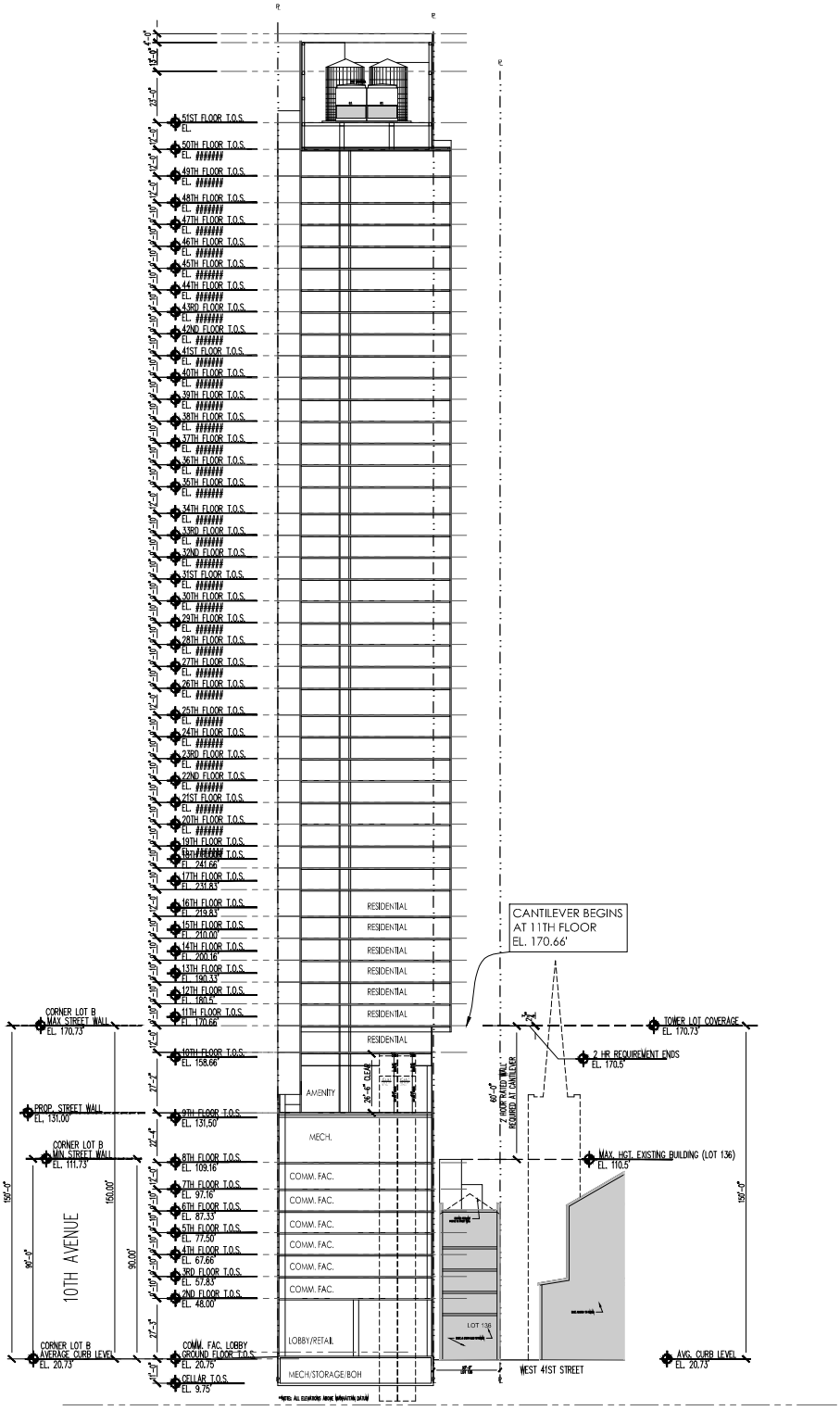
GPR RESULTS & SAMPLING LOCATIONS

DATE
11.20.2012

PROJECT NO.
11454

SCALE
as shown

FIGURE
2



547- 551 TENTH AVENUE
NEW YORK, NEW YORK

PROPOSED REDEVELOPMENT PLAN

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE **10.22.2012**
PROJECT No. **11454**
SCALE **1"- 80'**
FIGURE **3**

TABLES

Table 1
Extell Redevelopment Site
547 - 551 Tenth Avenue
New York, NY
Soil Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Groundwater SCO mg/kg	NYSDEC Part 375 Residential SCO mg/kg	SB-1 (3-4) L1121840-01 12/28/2011 1	SB-1 (13-14) L1121840-02 12/28/2011 1	SB-2 (0-1) L1121840-03 12/28/2011 1	SB-2 (13-14) L1121840-04 12/28/2011 1	SB-3 (1-2) L1121840-05 12/28/2011 1	SB-3 (13-14) L1121840-06 12/28/2011 1
1,1,1,2-Tetrachloroethane	NS	NS	NS	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
1,1,1-Trichloroethane	0.68	0.68	100	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
1,1,2,2-Tetrachloroethane	NS	0.6	35	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
1,1,2-Trichloroethane	NS	NS	NS	0.0042 U	0.0045 U	0.0044 U	0.0045 U	0.0044 U	0.0044 U
1,1-Dichloroethane	0.27	0.27	19	0.0042 U	0.0045 U	0.0044 U	0.0045 U	0.0044 U	0.0044 U
1,1-Dichloroethene	0.33	0.33	100	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
1,1-Dichloropropene	NS	NS	NS	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
1,2,3-Trichloropropane	NS	0.34	80	0.028 U	0.03 U	0.029 U	0.03 U	0.029 U	0.029 U
1,2,4,5-Tetramethylbenzene	NS	NS	NS	0.011 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
1,2,4-Trichlorobenzene	NS	3.4	NS	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
1,2,4-Trimethylbenzene	3.6	3.6	47	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
1,2-Dibromo-3-chloropropane	NS	NS	NS	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
1,2-Dibromoethane	NS	NS	NS	0.011 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
1,2-Dichlorobenzene	1.1	1.1	100	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
1,2-Dichloroethane	0.02	0.02	2.3	0.0028 U	0.0031	0.0093	0.0043	0.0066	0.0029 U
1,2-Dichloropropane	NS	NS	NS	0.0098 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
1,3,5-Trimethylbenzene	8.4	8.4	47	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
1,3-Dichlorobenzene	2.4	2.4	17	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
1,3-Dichloropropane	NS	0.3	NS	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
1,4-Dichlorobenzene	1.8	1.8	9.8	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
1,4-Diethylbenzene	NS	NS	NS	0.011 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
2,2-Dichloropropane	NS	NS	NS	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
2-Butanone	0.12	0.3	100	0.028 U	0.03 U	0.029 U	0.03 U	0.029 U	0.029 U
2-Hexanone	NS	NS	NS	0.028 U	0.03 U	0.029 U	0.03 U	0.029 U	0.029 U
4-Ethyltoluene	NS	NS	NS	0.011 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
4-Methyl-2-pentanone	NS	1	NS	0.028 U	0.03 U	0.029 U	0.03 U	0.029 U	0.029 U
Acetone	0.05	0.05	100	0.028 U	0.03 U	0.029 U	0.03 U	0.029 U	0.029 U
Acrylonitrile	NS	NS	NS	0.028 U	0.03 U	0.029 U	0.03 U	0.029 U	0.029 U
Benzene	0.06	0.06	2.9	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
Bromobenzene	NS	NS	NS	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
Bromochloromethane	NS	NS	NS	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
Bromodichloromethane	NS	NS	NS	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
Bromoform	NS	NS	NS	0.011 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Bromomethane	NS	NS	NS	0.0056 U	0.006 U	0.0058 U	0.006 U	0.0059 U	0.0058 U
Carbon disulfide	NS	2.7	100	0.028 U	0.03 U	0.029 U	0.03 U	0.029 U	0.029 U
Carbon tetrachloride	0.76	0.76	1.4	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
Chlorobenzene	1.1	1.1	100	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
Chloroethane	NS	1.9	NS	0.0056 U	0.006 U	0.0058 U	0.006 U	0.0059 U	0.0058 U
Chloroform	0.37	0.37	10	0.0042 U	0.0045 U	0.0044 U	0.0045 U	0.0044 U	0.0044 U
Chloromethane	NS	NS	NS	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
cis-1,2-Dichloroethene	0.25	0.25	59	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
cis-1,3-Dichloropropene	NS	NS	NS	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
Dibromochloromethane	NS	NS	NS	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
Dibromomethane	NS	NS	NS	0.028 U	0.03 U	0.029 U	0.03 U	0.029 U	0.029 U
Dichlorodifluoromethane	NS	NS	NS	0.028 U	0.03 U	0.029 U	0.03 U	0.029 U	0.029 U
Ethyl ether	NS	NS	NS	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
Ethylbenzene	1	1	30	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
Hexachlorobutadiene	NS	NS	NS	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
Isopropylbenzene	NS	2.3	100	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
Methyl tert butyl ether	0.93	0.93	62	0.0056 U	0.006 U	0.0058 U	0.006 U	0.0059 U	0.0058 U
Methylene chloride	0.05	0.05	51	0.028 U	0.03 U	0.029 U	0.03 U	0.029 U	0.029 U
Naphthalene	12	12	100	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.021
n-Butylbenzene	12	12	100	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
n-Propylbenzene	3.9	3.9	100	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
o-Chlorotoluene	NS	NS	NS	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
o-Xylene	0.26	1.6	100	0.0056 U	0.006 U	0.0058 U	0.006 U	0.0059 U	0.0058 U
p/m-Xylene	0.26	1.6	100	0.0056 U	0.006 U	0.0058 U	0.006 U	0.0059 U	0.0058 U
p-Chlorotoluene	NS	NS	NS	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
p-Isopropyltoluene	NS	10	NS	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
sec-Butylbenzene	11	11	100	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
Styrene	NS	NS	NS	0.0056 U	0.006 U	0.0058 U	0.006 U	0.0059 U	0.0058 U
tert-Butylbenzene	5.9	5.9	100	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
Tetrachloroethene	1.3	1.3	5.5	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
Toluene	0.7	0.7	100	0.0022 J	0.0045 U	0.0044 U	0.0045 U	0.0044 U	0.0044 U
trans-1,2-Dichloroethene	0.19	0.19	100	0.0042 U	0.0045 U	0.0044 U	0.0045 U	0.0044 U	0.0044 U
trans-1,3-Dichloropropene	NS	NS	NS	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
trans-1,4-Dichloro-2-butene	NS	NS	NS	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
Trichloroethene	0.47	0.47	10	0.0028 U	0.003 U	0.0029 U	0.003 U	0.0029 U	0.0029 U
Trichlorofluoromethane	NS	NS	NS	0.014 U	0.015 U	0.014 U	0.015 U	0.015 U	0.014 U
Vinyl acetate	NS	NS	NS	0.028 U	0.03 U	0.029 U	0.03 U	0.029 U	0.029 U
Vinyl chloride	0.02	0.02	0.21	0.0056 U	0.006 U	0.0058 U	0.006 U	0.0059 U	0.0058 U

Table 1
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Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Groundwater SCO mg/kg	NYSDEC Part 375 Residential SCO mg/kg	SB-4 (2-3) L1121840-07 12/28/2011 1	SB-4 (14-15) L1121840-08 12/28/2011 1	SB-5 (2-3) L1121840-09 12/28/2011 1	SB-5 (14-15) L1121840-10 12/28/2011 40	SB-6 (1-2) L1121840-11 12/28/2011 1	SB-6 (13-14) L1121840-12 12/28/2011 1
1,1,1,2-Tetrachloroethane	NS	NS	NS	0.0029 U	0.0029 U	0.0028 U	0.12 U	0.0028 U	0.0029 U
1,1,1-Trichloroethane	0.68	0.68	100	0.0029 U	0.0029 U	0.0028 U	0.12 U	0.0028 U	0.0029 U
1,1,2,2-Tetrachloroethane	NS	0.6	35	0.0029 U	0.0029 U	0.0028 U	0.12 U	0.0028 U	0.0029 U
1,1,2-Trichloroethane	NS	NS	NS	0.0043 U	0.0044 U	0.0042 U	0.18 U	0.0042 U	0.0044 U
1,1-Dichloroethane	0.27	0.27	19	0.0043 U	0.0044 U	0.0042 U	0.18 U	0.0042 U	0.0044 U
1,1-Dichloroethene	0.33	0.33	100	0.0029 U	0.0029 U	0.0028 U	0.12 U	0.0028 U	0.0029 U
1,1-Dichloropropene	NS	NS	NS	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
1,2,3-Trichloropropane	NS	0.34	80	0.029 U	0.029 U	0.028 U	1.2 U	0.028 U	0.029 U
1,2,4,5-Tetramethylbenzene	NS	NS	NS	0.011 U	0.012 U	0.011 U	2.1	0.011 U	0.012 U
1,2,4-Trichlorobenzene	NS	3.4	NS	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
1,2,4-Trimethylbenzene	3.6	3.6	47	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
1,2-Dibromo-3-chloropropane	NS	NS	NS	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
1,2-Dibromoethane	NS	NS	NS	0.011 U	0.012 U	0.011 U	0.49 U	0.011 U	0.012 U
1,2-Dichlorobenzene	1.1	1.1	100	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
1,2-Dichloroethane	0.02	0.02	2.3	0.0024 J	0.0031	0.0076	0.12 U	0.0028 U	0.0086
1,2-Dichloropropane	NS	NS	NS	0.01 U	0.01 U	0.0098 U	0.43 U	0.0098 U	0.01 U
1,3,5-Trimethylbenzene	8.4	8.4	47	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
1,3-Dichlorobenzene	2.4	2.4	17	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
1,3-Dichloropropane	NS	0.3	NS	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
1,4-Dichlorobenzene	1.8	1.8	9.8	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
1,4-Diethylbenzene	NS	NS	NS	0.011 U	0.012 U	0.011 U	0.42 J	0.011 U	0.012 U
2,2-Dichloropropane	NS	NS	NS	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
2-Butanone	0.12	0.3	100	0.029 U	0.029 U	0.028 U	1.2 U	0.028 U	0.029 U
2-Hexanone	NS	NS	NS	0.029 U	0.029 U	0.028 U	1.2 U	0.028 U	0.029 U
4-Ethyltoluene	NS	NS	NS	0.011 U	0.012 U	0.011 U	0.49 U	0.011 U	0.012 U
4-Methyl-2-pentanone	NS	1	NS	0.029 U	0.029 U	0.028 U	1.2 U	0.028 U	0.029 U
Acetone	0.05	0.05	100	0.029 U	0.029 U	0.028 U	1.2 U	0.028 U	0.029 U
Acrylonitrile	NS	NS	NS	0.029 U	0.029 U	0.028 U	1.2 U	0.028 U	0.029 U
Benzene	0.06	0.06	2.9	0.0029 U	0.0029 U	0.0028 U	0.12 U	0.0028 U	0.0029 U
Bromobenzene	NS	NS	NS	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
Bromochloromethane	NS	NS	NS	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
Bromodichloromethane	NS	NS	NS	0.0029 U	0.0029 U	0.0028 U	0.12 U	0.0028 U	0.0029 U
Bromoform	NS	NS	NS	0.011 U	0.012 U	0.011 U	0.49 U	0.011 U	0.012 U
Bromomethane	NS	NS	NS	0.0057 U	0.0058 U	0.0056 U	0.25 U	0.0056 U	0.0058 U
Carbon disulfide	NS	2.7	100	0.029 U	0.029 U	0.028 U	1.2 U	0.028 U	0.029 U
Carbon tetrachloride	0.76	0.76	1.4	0.0029 U	0.0029 U	0.0028 U	0.12 U	0.0028 U	0.0029 U
Chlorobenzene	1.1	1.1	100	0.0029 U	0.0029 U	0.0028 U	0.12 U	0.0028 U	0.0029 U
Chloroethane	NS	1.9	NS	0.0057 U	0.0058 U	0.0056 U	0.25 U	0.0056 U	0.0058 U
Chloroform	0.37	0.37	10	0.0043 U	0.0044 U	0.0042 U	0.18 U	0.0042 U	0.0044 U
Chloromethane	NS	NS	NS	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
cis-1,2-Dichloroethene	0.25	0.25	59	0.0029 U	0.0029 U	0.0028 U	0.12 U	0.0028 U	0.0029 U
cis-1,3-Dichloropropene	NS	NS	NS	0.0029 U	0.0029 U	0.0028 U	0.12 U	0.0028 U	0.0029 U
Dibromochloromethane	NS	NS	NS	0.0029 U	0.0029 U	0.0028 U	0.12 U	0.0028 U	0.0029 U
Dibromomethane	NS	NS	NS	0.029 U	0.029 U	0.028 U	1.2 U	0.028 U	0.029 U
Dichlorodifluoromethane	NS	NS	NS	0.029 U	0.029 U	0.028 U	1.2 U	0.028 U	0.029 U
Ethyl ether	NS	NS	NS	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
Ethylbenzene	1	1	30	0.0029 U	0.0029 U	0.0028 U	0.12 U	0.0028 U	0.0029 U
Hexachlorobutadiene	NS	NS	NS	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
Isopropylbenzene	NS	2.3	100	0.0029 U	0.0029 U	0.0028 U	0.17	0.0028 U	0.0029 U
Methyl tert butyl ether	0.93	0.93	62	0.0057 U	0.0058 U	0.0056 U	0.25 U	0.0056 U	0.0058 U
Methylene chloride	0.05	0.05	51	0.029 U	0.029 U	0.028 U	1.2 U	0.028 U	0.029 U
Naphthalene	12	12	100	0.004 J	0.014 U	0.17	0.62 U	0.014 U	0.014 U
n-Butylbenzene	12	12	100	0.0029 U	0.0029 U	0.0028 U	0.17	0.0028 U	0.0029 U
n-Propylbenzene	3.9	3.9	100	0.0029 U	0.0029 U	0.0028 U	0.79	0.0028 U	0.0029 U
o-Chlorotoluene	NS	NS	NS	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
o-Xylene	0.26	1.6	100	0.0057 U	0.0058 U	0.0056 U	0.25 U	0.0056 U	0.0058 U
p/m-Xylene	0.26	1.6	100	0.0057 U	0.0058 U	0.0056 U	0.25 U	0.0056 U	0.0058 U
p-Chlorotoluene	NS	NS	NS	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
p-Isopropyltoluene	NS	10	NS	0.0029 U	0.0029 U	0.0028 U	0.12 U	0.0028 U	0.0029 U
sec-Butylbenzene	11	11	100	0.0029 U	0.0029 U	0.0028 U	0.17	0.0028 U	0.0029 U
Styrene	NS	NS	NS	0.0057 U	0.0058 U	0.0056 U	0.25 U	0.0056 U	0.0058 U
tert-Butylbenzene	5.9	5.9	100	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
Tetrachloroethene	1.3	1.3	5.5	0.0029 U	0.0029 U	0.0028 U	0.12 U	0.0028 U	0.0029 U
Toluene	0.7	0.7	100	0.0043 U	0.0044 U	0.0042 U	0.18 U	0.0038 J	0.0044 U
trans-1,2-Dichloroethene	0.19	0.19	100	0.0043 U	0.0044 U	0.0042 U	0.18 U	0.0042 U	0.0044 U
trans-1,3-Dichloropropene	NS	NS	NS	0.0029 U	0.0029 U	0.0028 U	0.12 U	0.0028 U	0.0029 U
trans-1,4-Dichloro-2-butene	NS	NS	NS	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
Trichloroethene	0.47	0.47	10	0.0029 U	0.0029 U	0.0028 U	0.12 U	0.0028 U	0.0029 U
Trichlorofluoromethane	NS	NS	NS	0.014 U	0.014 U	0.014 U	0.62 U	0.014 U	0.014 U
Vinyl acetate	NS	NS	NS	0.029 U	0.029 U	0.028 U	1.2 U	0.028 U	0.029 U
Vinyl chloride	0.02	0.02	0.21	0.0057 U	0.0058 U	0.0056 U	0.25 U	0.0056 U	0.0058 U

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1,1,1,2-Tetrachloroethane	NS	NS	NS	0.0026 U	0.0029 U	0.0029 U	0.13 U	0.0028 U	0.12 U
1,1,1-Trichloroethane	0.68	0.68	100	0.0026 U	0.0029 U	0.0029 U	0.13 U	0.0028 U	0.12 U
1,1,2,2-Tetrachloroethane	NS	0.6	35	0.0026 U	0.0029 U	0.0029 U	0.13 U	0.0028 U	0.12 U
1,1,2-Trichloroethane	NS	NS	NS	0.004 U	0.0043 U	0.0044 U	0.19 U	0.0043 U	0.18 U
1,1-Dichloroethane	0.27	0.27	19	0.004 U	0.0043 U	0.0044 U	0.19 U	0.0043 U	0.18 U
1,1-Dichloroethene	0.33	0.33	100	0.0026 U	0.0029 U	0.0029 U	0.13 U	0.0028 U	0.12 U
1,1-Dichloropropene	NS	NS	NS	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
1,2,3-Trichloropropane	NS	0.34	80	0.026 U	0.029 U	0.029 U	1.3 U	0.028 U	1.2 U
1,2,4,5-Tetramethylbenzene	NS	NS	NS	0.012	0.34	0.012 U	5.4	0.011 U	0.25 J
1,2,4-Trichlorobenzene	NS	3.4	NS	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
1,2,4-Trimethylbenzene	3.6	3.6	47	0.0091 J	0.0024 J	0.014 U	0.63 U	0.014 U	0.5 J
1,2-Dibromo-3-chloropropane	NS	NS	NS	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
1,2-Dibromoethane	NS	NS	NS	0.011 U	0.011 U	0.012 U	0.51 U	0.011 U	0.47 U
1,2-Dichlorobenzene	1.1	1.1	100	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
1,2-Dichloroethane	0.02	0.02	2.3	0.0034	0.0039	0.0046	0.13 U	0.0052	0.12 U
1,2-Dichloropropane	NS	NS	NS	0.0093 U	0.01 U	0.01 U	0.44 U	0.0099 U	0.41 U
1,3,5-Trimethylbenzene	8.4	8.4	47	0.0093 J	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
1,3-Dichlorobenzene	2.4	2.4	17	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
1,3-Dichloropropane	NS	0.3	NS	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
1,4-Dichlorobenzene	1.8	1.8	9.8	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
1,4-Diethylbenzene	NS	NS	NS	0.011 U	0.046	0.012 U	0.54	0.011 U	0.47 U
2,2-Dichloropropane	NS	NS	NS	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
2-Butanone	0.12	0.3	100	0.026 U	0.029 U	0.029 U	1.3 U	0.028 U	1.2 U
2-Hexanone	NS	NS	NS	0.026 U	0.029 U	0.029 U	1.3 U	0.028 U	1.2 U
4-Ethyltoluene	NS	NS	NS	0.0048 J	0.001 J	0.012 U	0.51 U	0.011 U	0.041 J
4-Methyl-2-pentanone	NS	1	NS	0.026 U	0.029 U	0.029 U	1.3 U	0.028 U	1.2 U
Acetone	0.05	0.05	100	0.026 U	0.029 U	0.029 U	1.3 U	0.028 U	1.2 U
Acrylonitrile	NS	NS	NS	0.026 U	0.029 U	0.029 U	1.3 U	0.028 U	1.2 U
Benzene	0.06	0.06	2.9	0.0026 U	0.0029 U	0.0029 U	0.13 U	0.0028 U	0.12 U
Bromobenzene	NS	NS	NS	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
Bromochloromethane	NS	NS	NS	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
Bromodichloromethane	NS	NS	NS	0.0026 U	0.0029 U	0.0029 U	0.13 U	0.0028 U	0.12 U
Bromoform	NS	NS	NS	0.011 U	0.011 U	0.012 U	0.51 U	0.011 U	0.47 U
Bromomethane	NS	NS	NS	0.0053 U	0.0057 U	0.0058 U	0.25 U	0.0057 U	0.24 U
Carbon disulfide	NS	2.7	100	0.026 U	0.029 U	0.029 U	1.3 U	0.028 U	1.2 U
Carbon tetrachloride	0.76	0.76	1.4	0.0026 U	0.0029 U	0.0029 U	0.13 U	0.0028 U	0.12 U
Chlorobenzene	1.1	1.1	100	0.0026 U	0.0029 U	0.0029 U	0.13 U	0.0028 U	0.12 U
Chloroethane	NS	1.9	NS	0.0053 U	0.0057 U	0.0058 U	0.25 U	0.0057 U	0.24 U
Chloroform	0.37	0.37	10	0.004 U	0.0043 U	0.0044 U	0.19 U	0.0043 U	0.18 U
Chloromethane	NS	NS	NS	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
cis-1,2-Dichloroethene	0.25	0.25	59	0.0026 U	0.0029 U	0.0029 U	0.13 U	0.0028 U	0.12 U
cis-1,3-Dichloropropene	NS	NS	NS	0.0026 U	0.0029 U	0.0029 U	0.13 U	0.0028 U	0.12 U
Dibromochloromethane	NS	NS	NS	0.0026 U	0.0029 U	0.0029 U	0.13 U	0.0028 U	0.12 U
Dibromomethane	NS	NS	NS	0.026 U	0.029 U	0.029 U	1.3 U	0.028 U	1.2 U
Dichlorodifluoromethane	NS	NS	NS	0.026 U	0.029 U	0.029 U	1.3 U	0.028 U	1.2 U
Ethyl ether	NS	NS	NS	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
Ethylbenzene	1	1	30	0.0026 U	0.0029 U	0.0029 U	0.13 U	0.0028 U	0.12 U
Hexachlorobutadiene	NS	NS	NS	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
Isopropylbenzene	NS	2.3	100	0.0026 U	0.0062	0.0029 U	0.13 U	0.0028 U	0.12 U
Methyl tert butyl ether	0.93	0.93	62	0.0053 U	0.0057 U	0.0058 U	0.25 U	0.0057 U	0.24 U
Methylene chloride	0.05	0.05	51	0.026 U	0.029 U	0.029 U	1.3 U	0.028 U	1.2 U
Naphthalene	12	12	100	0.0067 J	0.0049 J	0.014 U	0.63 U	0.014 U	0.59 U
n-Butylbenzene	12	12	100	0.0026 U	0.03	0.0029 U	0.59	0.0028 U	0.12 U
n-Propylbenzene	3.9	3.9	100	0.003	0.04	0.0029 U	0.33	0.0028 U	0.12 U
o-Chlorotoluene	NS	NS	NS	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
o-Xylene	0.26	1.6	100	0.0088	0.0057 U	0.0058 U	0.25 U	0.0057 U	0.24 U
p/m-Xylene	0.26	1.6	100	0.0035 J	0.0057 U	0.0058 U	0.25 U	0.0057 U	0.24 U
p-Chlorotoluene	NS	NS	NS	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
p-Isopropyltoluene	NS	10	NS	0.0026 U	0.0029 U	0.0029 U	0.13 U	0.0028 U	0.12 U
sec-Butylbenzene	11	11	100	0.0026 U	0.016	0.0029 U	0.17	0.0028 U	0.12 U
Styrene	NS	NS	NS	0.0053 U	0.0057 U	0.0058 U	0.25 U	0.0057 U	0.24 U
tert-Butylbenzene	5.9	5.9	100	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
Tetrachloroethene	1.3	1.3	5.5	0.0026 U	0.0029 U	0.0029 U	0.13 U	0.0028 U	0.12 U
Toluene	0.7	0.7	100	0.004 U	0.0043 U	0.0044 U	0.19 U	0.0043 U	0.18 U
trans-1,2-Dichloroethene	0.19	0.19	100	0.004 U	0.0043 U	0.0044 U	0.19 U	0.0043 U	0.18 U
trans-1,3-Dichloropropene	NS	NS	NS	0.0026 U	0.0029 U	0.0029 U	0.13 U	0.0028 U	0.12 U
trans-1,4-Dichloro-2-butene	NS	NS	NS	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
Trichloroethene	0.47	0.47	10	0.0026 U	0.0029 U	0.0029 U	0.13 U	0.0028 U	0.12 U
Trichlorofluoromethane	NS	NS	NS	0.013 U	0.014 U	0.014 U	0.63 U	0.014 U	0.59 U
Vinyl acetate	NS	NS	NS	0.026 U	0.029 U	0.029 U	1.3 U	0.028 U	1.2 U
Vinyl chloride	0.02	0.02	0.21	0.0053 U	0.0057 U	0.0058 U	0.25 U	0.0057 U	0.24 U

Table 1
Extell Redevelopment Site
547 - 551 Tenth Avenue
New York, NY
Soil Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Groundwater SCO mg/kg	NYSDEC Part 375 Residential SCO mg/kg	SB-10 (11-12) L1121840-19 12/29/2011 1	SB-11 (14-15) L1121840-20 12/29/2011 40	SB-11A (14-15) L1121840-21 12/29/2011 40	SB-12 (11-12) L1121840-22 12/29/2011 1	SB-13 (14-15) L1121840-23 12/29/2011 40	TB-S L1121840-30 12/28/2011 1
1,1,1,2-Tetrachloroethane	NS	NS	NS	NA	NA	NA	NA	NA	0.5 U
1,1,1-Trichloroethane	0.68	0.68	100	NA	NA	NA	NA	NA	0.5 U
1,1,2,2-Tetrachloroethane	NS	0.6	35	NA	NA	NA	NA	NA	0.5 U
1,1,2-Trichloroethane	NS	NS	NS	NA	NA	NA	NA	NA	0.75 U
1,1-Dichloroethane	0.27	0.27	19	NA	NA	NA	NA	NA	0.75 U
1,1-Dichloroethene	0.33	0.33	100	NA	NA	NA	NA	NA	0.5 U
1,1-Dichloropropene	NS	NS	NS	NA	NA	NA	NA	NA	2.5 U
1,2,3-Trichlorobenzene	NS	NS	NS	NA	NA	NA	NA	NA	2.5 U
1,2,3-Trichloropropane	NS	0.34	80	NA	NA	NA	NA	NA	5 U
1,2,4,5-Tetramethylbenzene	NS	NS	NS	NA	NA	NA	NA	NA	2 U
1,2,4-Trichlorobenzene	NS	3.4	NS	NA	NA	NA	NA	NA	2.5 U
1,2,4-Trimethylbenzene	3.6	3.6	47	0.014 U	0.6 U	0.6 U	0.014 U	0.58 U	2.5 U
1,2-Dibromo-3-chloropropane	NS	NS	NS	NA	NA	NA	NA	NA	2.5 U
1,2-Dibromoethane	NS	NS	NS	NA	NA	NA	NA	NA	2 U
1,2-Dichlorobenzene	1.1	1.1	100	NA	NA	NA	NA	NA	2.5 U
1,2-Dichloroethane	0.02	0.02	2.3	NA	NA	NA	NA	NA	0.5 U
1,2-Dichloropropane	NS	NS	NS	NA	NA	NA	NA	NA	1.8 U
1,3,5-Trimethylbenzene	8.4	8.4	47	0.014 U	0.6 U	0.6 U	0.014 U	0.58 U	2.5 U
1,3-Dichlorobenzene	2.4	2.4	17	NA	NA	NA	NA	NA	2.5 U
1,3-Dichloropropane	NS	0.3	NS	NA	NA	NA	NA	NA	2.5 U
1,4-Dichlorobenzene	1.8	1.8	9.8	NA	NA	NA	NA	NA	2.5 U
1,4-Diethylbenzene	NS	NS	NS	NA	NA	NA	NA	NA	2 U
2,2-Dichloropropane	NS	NS	NS	NA	NA	NA	NA	NA	2.5 U
2-Butanone	0.12	0.3	100	NA	NA	NA	NA	NA	5 U
2-Hexanone	NS	NS	NS	NA	NA	NA	NA	NA	5 U
4-Ethyltoluene	NS	NS	NS	NA	NA	NA	NA	NA	2 U
4-Methyl-2-pentanone	NS	1	NS	NA	NA	NA	NA	NA	5 U
Acetone	0.05	0.05	100	NA	NA	NA	NA	NA	5 U
Acrylonitrile	NS	NS	NS	NA	NA	NA	NA	NA	5 U
Benzene	0.06	0.06	2.9	0.0029 U	0.12 U	0.12 U	0.0029 U	0.12 U	0.5 U
Bromobenzene	NS	NS	NS	NA	NA	NA	NA	NA	2.5 U
Bromochloromethane	NS	NS	NS	NA	NA	NA	NA	NA	2.5 U
Bromodichloromethane	NS	NS	NS	NA	NA	NA	NA	NA	0.5 U
Bromoform	NS	NS	NS	NA	NA	NA	NA	NA	2 U
Bromomethane	NS	NS	NS	NA	NA	NA	NA	NA	1 U
Carbon disulfide	NS	2.7	100	NA	NA	NA	NA	NA	5 U
Carbon tetrachloride	0.76	0.76	1.4	NA	NA	NA	NA	NA	0.5 U
Chlorobenzene	1.1	1.1	100	NA	NA	NA	NA	NA	0.5 U
Chloroethane	NS	1.9	NS	NA	NA	NA	NA	NA	1 U
Chloroform	0.37	0.37	10	NA	NA	NA	NA	NA	0.75 U
Chloromethane	NS	NS	NS	NA	NA	NA	NA	NA	2.5 U
cis-1,2-Dichloroethene	0.25	0.25	59	NA	NA	NA	NA	NA	0.5 U
cis-1,3-Dichloropropene	NS	NS	NS	NA	NA	NA	NA	NA	0.5 U
Dibromochloromethane	NS	NS	NS	NA	NA	NA	NA	NA	0.5 U
Dibromomethane	NS	NS	NS	NA	NA	NA	NA	NA	5 U
Dichlorodifluoromethane	NS	NS	NS	NA	NA	NA	NA	NA	5 U
Ethyl ether	NS	NS	NS	NA	NA	NA	NA	NA	2.5 U
Ethylbenzene	1	1	30	0.0029 U	0.12 U	0.12 U	0.0029 U	0.12 U	0.5 U
Hexachlorobutadiene	NS	NS	NS	NA	NA	NA	NA	NA	0.6 U
Isopropylbenzene	NS	2.3	100	0.0029 U	2.3	0.43	0.0029 U	0.12 U	0.5 U
Methyl tert butyl ether	0.93	0.93	62	0.0058 U	0.24 U	0.24 U	0.0058 U	0.23 U	1 U
Methylene chloride	0.05	0.05	51	NA	NA	NA	NA	NA	5 U
Naphthalene	12	12	100	0.0041 J	4.3	0.6 U	0.014 U	0.58 U	2.5 U
n-Butylbenzene	12	12	100	0.0029 U	3.4	0.18	0.0029 U	0.12 U	0.5 U
n-Propylbenzene	3.9	3.9	100	0.0029 U	**6.1**	0.49	0.0029 U	0.12 U	0.5 U
o-Chlorotoluene	NS	NS	NS	NA	NA	NA	NA	NA	2.5 U
o-Xylene	0.26	1.6	100	0.0058 U	0.24 U	0.24 U	0.0058 U	0.23 U	1 U
p/m-Xylene	0.26	1.6	100	0.0058 U	0.1 J	0.24 U	0.0058 U	0.23 U	1 U
p-Chlorotoluene	NS	NS	NS	NA	NA	NA	NA	NA	2.5 U
p-Isopropyltoluene	NS	10	NS	0.0029 U	0.15	0.12 U	0.0029 U	0.12 U	0.5 U
sec-Butylbenzene	11	11	100	0.0029 U	2	0.78	0.0029 U	0.12 U	0.5 U
Styrene	NS	NS	NS	NA	NA	NA	NA	NA	1 U
tert-Butylbenzene	5.9	5.9	100	0.014 U	0.16 J	0.16 J	0.014 U	0.58 U	2.5 U
Tetrachloroethene	1.3	1.3	5.5	NA	NA	NA	NA	NA	0.5 U
Toluene	0.7	0.7	100	0.0044 U	0.18 U	0.18 U	0.0044 U	0.17 U	0.75 U
trans-1,2-Dichloroethene	0.19	0.19	100	NA	NA	NA	NA	NA	0.75 U
trans-1,3-Dichloropropene	NS	NS	NS	NA	NA	NA	NA	NA	0.5 U
trans-1,4-Dichloro-2-butene	NS	NS	NS	NA	NA	NA	NA	NA	2.5 U
Trichloroethene	0.47	0.47	10	NA	NA	NA	NA	NA	0.5 U
Trichlorofluoromethane	NS	NS	NS	NA	NA	NA	NA	NA	2.5 U
Vinyl acetate	NS	NS	NS	NA	NA	NA	NA	NA	5 U
Vinyl chloride	0.02	0.02	0.21	NA	NA	NA	NA	NA	1 U

Table 2
Extell Redevelopment Site
547 - 551 Tenth Avenue
New York, NY
Soil Analytical Results
Semivolatile Organic Compounds

Client ID	NYSDEC	NYSDEC	NYSDEC	SB-1 (3-4)	SB-1 (13-14)	SB-2 (0-1)	SB-2 (13-14)	SB-3 (1-2)	SB-3 (13-14)
Lab Sample ID	Part 375	Part 375	Part 375	L1121840-01	L1121840-02	L1121840-03	L1121840-04	L1121840-05	L1121840-06
Date Sampled	Unrestricted	Groundwater	Residential	12/28/2011	12/28/2011	12/28/2011	12/28/2011	12/28/2011	12/28/2011
Dilution	SCO	SCO	SCO	2	1	1	1	1	1
mg/kg	mg/kg	mg/kg	mg/kg						
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
1,2,4-Trichlorobenzene	NS	3.4	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
1,2-Dichlorobenzene	1.1	1.1	100	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
1,3-Dichlorobenzene	2.4	2.4	17	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
1,4-Dichlorobenzene	1.8	1.8	9.8	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
2,4,5-Trichlorophenol	NS	0.1	100	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
2,4,6-Trichlorophenol	NS	NS	NS	0.22 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U
2,4-Dichlorophenol	NS	0.4	NS	0.33 U	0.18 U	0.17 U	0.18 U	0.17 U	0.17 U
2,4-Dimethylphenol	NS	NS	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
2,4-Dinitrophenol	NS	0.2	100	1.8 U	0.94 U	0.91 U	0.94 U	0.93 U	0.92 U
2,4-Dinitrotoluene	NS	NS	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
2,6-Dinitrotoluene	NS	0.17	1.03	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
2-Chloronaphthalene	NS	NS	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
2-Chlorophenol	NS	NS	100	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
2-Methylnaphthalene	NS	36.4	0.41	0.45 U	0.24 U	0.23 U	0.23 U	0.1 J	0.23 U
2-Methylphenol	0.33	0.33	100	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
2-Nitroaniline	NS	0.4	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
2-Nitrophenol	NS	0.3	NS	0.8 U	0.42 U	0.41 U	0.42 U	0.42 U	0.41 U
3,3'-Dichlorobenzidine	NS	NS	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
3-Methylphenol/4-Methylphenol	0.33	0.33	34	0.54 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U
3-Nitroaniline	NS	0.5	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
4,6-Dinitro-o-cresol	NS	NS	NS	0.97 U	0.51 U	0.49 U	0.51 U	0.5 U	0.5 U
4-Bromophenyl phenyl ether	NS	NS	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
4-Chloroaniline	NS	NS	100	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
4-Chlorophenyl phenyl ether	NS	NS	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
4-Nitroaniline	NS	NS	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
4-Nitrophenol	NS	0.1	NS	0.52 U	0.28 U	0.26 U	0.27 U	0.27 U	0.27 U
Acenaphthene	20	98	100	0.3 U	0.16 U	0.15 U	0.16 U	0.16 U	0.15 U
Acenaphthylene	100	107	100	0.3 U	0.16 U	0.15 U	0.16 U	0.16 U	0.15 U
Acetophenone	NS	NS	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
Anthracene	100	1000	100	0.18 J	0.12 U	0.14	0.12 U	0.07 J	0.11 U
Benzo(a)anthracene	1	1	1	0.59	0.044 J	0.58	0.12 U	0.18	0.11 U
Benzo(a)pyrene	1	22	1	0.5	0.16 U	0.46	0.16 U	0.13 J	0.15 U
Benzo(b)fluoranthene	1	1.7	1	0.47	0.12 U	0.67	0.12 U	0.21	0.11 U
Benzo(ghi)perylene	100	1000	100	0.28 J	0.16 U	0.29	0.16 U	0.083 J	0.15 U
Benzo(k)fluoranthene	0.8	1.7	1	0.44	0.12 U	0.23	0.12 U	0.075 J	0.11 U
Benzoic Acid	NS	2.7	100	1.2 U	0.64 U	0.61 U	0.63 U	0.63 U	0.62 U
Benzyl Alcohol	NS	NS	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
Biphenyl	NS	NS	NS	0.85 U	0.45 U	0.43 U	0.45 U	0.44 U	0.44 U
Bis(2-chloroethoxy)methane	NS	NS	NS	0.4 U	0.21 U	0.2 U	0.21 U	0.21 U	0.21 U
Bis(2-chloroethyl)ether	NS	NS	NS	0.33 U	0.18 U	0.17 U	0.18 U	0.17 U	0.17 U
Bis(2-chloroisopropyl)ether	NS	NS	NS	0.45 U	0.24 U	0.23 U	0.23 U	0.23 U	0.23 U
Bis(2-Ethylhexyl)phthalate	NS	435	50	0.37 U	0.2 U	0.14 J	0.2 U	0.19 U	0.19 U
Butyl benzyl phthalate	NS	0.22	100	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
Carbazole	NS	NS	NS	0.06 J	0.2 U	0.19 U	0.2 U	0.052 J	0.19 U
Chrysene	1	1	1	0.58	0.04 J	0.55	0.12 U	0.2	0.11 U
Dibenzo(a,h)anthracene	0.33	1000	0.33	0.22 U	0.12 U	0.086 J	0.12 U	0.12 U	0.11 U
Dibenzofuran	7	210	14	0.37 U	0.2 U	0.19 U	0.2 U	0.054 J	0.19 U
Diethyl phthalate	NS	7.1	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
Dimethyl phthalate	NS	27	100	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
Di-n-butylphthalate	NS	8.1	100	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
Di-n-octylphthalate	NS	120	100	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
Fluoranthene	100	1000	100	0.83	0.074 J	1.1	0.12 U	0.39	0.11 U
Fluorene	30	386	100	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
Hexachlorobenzene	0.33	1.4	0.41	0.22 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U
Hexachlorobutadiene	NS	NS	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
Hexachlorocyclopentadiene	NS	NS	NS	1.1 U	0.56 U	0.54 U	0.56 U	0.56 U	0.55 U
Hexachloroethane	NS	NS	NS	0.3 U	0.16 U	0.15 U	0.16 U	0.16 U	0.15 U
Indeno(1,2,3-cd)Pyrene	0.5	8.2	0.5	0.23 J	0.16 U	0.33	0.16 U	0.096 J	0.15 U
Isophorone	NS	4.4	100	0.33 U	0.18 U	0.17 U	0.18 U	0.17 U	0.17 U
Naphthalene	12	12	100	0.37 U	0.2 U	0.19 U	0.2 U	0.12 J	0.19 U
Nitrobenzene	NS	0.17	3.7	0.33 U	0.18 U	0.17 U	0.18 U	0.17 U	0.17 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	NS	0.3 U	0.16 U	0.15 U	0.16 U	0.16 U	0.15 U
n-Nitrosodi-n-propylamine	NS	NS	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
P-Chloro-M-Cresol	NS	NS	NS	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
Pentachlorophenol	0.8	0.8	2.4	0.3 U	0.16 U	0.15 U	0.16 U	0.16 U	0.15 U
Phenanthrene	100	1000	100	0.79	0.12 U	0.54	0.12 U	0.41	0.11 U
Phenol	0.33	0.33	100	0.37 U	0.2 U	0.19 U	0.2 U	0.19 U	0.19 U
Pyrene	100	1000	100	1	0.058 J	0.99	0.12 U	0.33	0.11 U

Table 2
Extell Redevelopment Site
547 - 551 Tenth Avenue
New York, NY
Soil Analytical Results
Semivolatile Organic Compounds

Client ID	NYSDEC	NYSDEC	NYSDEC	SB-4 (2-3)	SB-4 (14-15)	SB-5 (2-3)	SB-5 (14-15)	SB-6 (1-2)	SB-6 (13-14)
Lab Sample ID	Part 375	Part 375	Part 375	L1121840-07	L1121840-08	L1121840-09	L1121840-10	L1121840-11	L1121840-12
Date Sampled	Unrestricted	Groundwater	Residential	12/28/2011	12/28/2011	12/28/2011	12/28/2011	12/28/2011	12/28/2011
Dilution	SCO	SCO	SCO	5	1	5	1	5	2
mg/kg	mg/kg	mg/kg	mg/kg						
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
1,2,4-Trichlorobenzene	NS	3.4	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
1,2-Dichlorobenzene	1.1	1.1	100	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
1,3-Dichlorobenzene	2.4	2.4	17	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
1,4-Dichlorobenzene	1.8	1.8	9.8	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
2,4,5-Trichlorophenol	NS	0.1	100	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
2,4,6-Trichlorophenol	NS	NS	NS	0.57 U	0.11 U	0.54 U	0.12 U	0.55 U	0.23 U
2,4-Dichlorophenol	NS	0.4	NS	0.85 U	0.17 U	0.82 U	0.18 U	0.83 U	0.34 U
2,4-Dimethylphenol	NS	NS	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
2,4-Dinitrophenol	NS	0.2	100	4.5 U	0.91 U	4.4 U	0.98 U	4.4 U	1.8 U
2,4-Dinitrotoluene	NS	NS	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
2,6-Dinitrotoluene	NS	0.17	1.03	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
2-Chloronaphthalene	NS	NS	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
2-Chlorophenol	NS	NS	100	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
2-Methylnaphthalene	NS	36.4	0.41	1.1 U	0.23 U	1.2	0.24 U	1.1 U	0.46 U
2-Methylphenol	0.33	0.33	100	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
2-Nitroaniline	NS	0.4	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
2-Nitrophenol	NS	0.3	NS	2 U	0.41 U	2 U	0.44 U	2 U	0.82 U
3,3'-Dichlorobenzidine	NS	NS	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
3-Methylphenol/4-Methylphenol	0.33	0.33	34	1.4 U	0.27 U	1.3 U	0.29 U	1.3 U	0.55 U
3-Nitroaniline	NS	0.5	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
4,6-Dinitro-o-cresol	NS	NS	NS	2.5 U	0.49 U	2.4 U	0.53 U	2.4 U	0.99 U
4-Bromophenyl phenyl ether	NS	NS	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
4-Chloroaniline	NS	NS	100	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
4-Chlorophenyl phenyl ether	NS	NS	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
4-Nitroaniline	NS	NS	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
4-Nitrophenol	NS	0.1	NS	1.3 U	0.26 U	1.3 U	0.28 U	1.3 U	0.53 U
Acenaphthene	20	98	100	0.76 U	0.055 J	4.4	0.16 U	0.66 J	0.14 J
Acenaphthylene	100	107	100	0.76 U	0.065 J	2.1	0.16 U	1.4	0.3 U
Acetophenone	NS	NS	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
Anthracene	100	1000	100	0.34 J	0.08 J	13	0.12 U	1.7	0.36
Benzo(a)anthracene	1	1	1	1	0.14	**28**	0.12 U	**4.1**	0.9
Benzo(a)pyrene	1	22	1	0.93	0.12 J	**26**	0.16 U	**4**	0.8
Benzo(b)fluoranthene	1	1.7	1	0.9	0.19	**24**	0.12 U	**4.1**	0.71
Benzo(ghi)perylene	100	1000	100	0.49 J	0.094 J	14	0.16 U	2.4	0.44
Benzo(k)fluoranthene	0.8	1.7	1	**0.87**	0.074 J	**26**	0.12 U	**3.6**	**0.85**
Benzoic Acid	NS	2.7	100	3.1 U	0.61 U	2.9 U	0.66 U	3 U	1.2 U
Benzyl Alcohol	NS	NS	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
Biphenyl	NS	NS	NS	2.2 U	0.43 U	2.1 U	0.46 U	2.1 U	0.87 U
Bis(2-chloroethoxy)methane	NS	NS	NS	1 U	0.2 U	0.98 U	0.22 U	0.99 U	0.41 U
Bis(2-chloroethyl)ether	NS	NS	NS	0.85 U	0.17 U	0.82 U	0.18 U	0.83 U	0.34 U
Bis(2-chloroisopropyl)ether	NS	NS	NS	1.1 U	0.23 U	1.1 U	0.24 U	1.1 U	0.46 U
Bis(2-Ethylhexyl)phthalate	NS	435	50	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
Butyl benzyl phthalate	NS	0.22	100	0.47 J	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
Carbazole	NS	NS	NS	0.17 J	0.19 U	7.6	0.2 U	0.81 J	0.15 J
Chrysene	1	1	1	0.99	0.15	**27**	0.12 U	**4.6**	0.91
Dibenzo(a,h)anthracene	0.33	1000	0.33	0.23 J	0.11 U	**6.6**	0.12 U	**1**	0.21 J
Dibenzofuran	7	210	14	0.95 U	0.042 J	0.91 U	0.2 U	0.82 J	0.13 J
Diethyl phthalate	NS	7.1	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
Dimethyl phthalate	NS	27	100	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
Di-n-butylphthalate	NS	8.1	100	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
Di-n-octylphthalate	NS	120	100	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
Fluoranthene	100	1000	100	1.6	0.32	67	0.048 J	7.6	1.3
Fluorene	30	386	100	0.95 U	0.19 U	5	0.2 U	0.81 J	0.12 J
Hexachlorobenzene	0.33	1.4	0.41	0.57 U	0.11 U	0.54 U	0.12 U	0.55 U	0.23 U
Hexachlorobutadiene	NS	NS	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
Hexachlorocyclopentadiene	NS	NS	NS	2.7 U	0.54 U	2.6 U	0.58 U	2.6 U	1.1 U
Hexachloroethane	NS	NS	NS	0.76 U	0.15 U	0.73 U	0.16 U	0.74 U	0.3 U
Indeno(1,2,3-cd)Pyrene	0.5	8.2	0.5	0.48 J	0.1 J	**13**	0.16 U	**2.1**	0.43
Isophorone	NS	4.4	100	0.85 U	0.17 U	0.82 U	0.18 U	0.83 U	0.34 U
Naphthalene	12	12	100	0.95 U	0.19 U	2.6	0.2 U	0.7 J	0.17 J
Nitrobenzene	NS	0.17	3.7	0.85 U	0.17 U	0.82 U	0.18 U	0.83 U	0.34 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	NS	0.76 U	0.15 U	0.73 U	0.16 U	0.74 U	0.3 U
n-Nitrosodi-n-propylamine	NS	NS	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
P-Chloro-M-Cresol	NS	NS	NS	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
Pentachlorophenol	0.8	0.8	2.4	0.76 U	0.15 U	0.73 U	0.16 U	0.74 U	0.3 U
Phenanthrene	100	1000	100	1.3	0.4	60	0.044 J	10	1.5
Phenol	0.33	0.33	100	0.95 U	0.19 U	0.91 U	0.2 U	0.92 U	0.38 U
Pyrene	100	1000	100	1.8	0.29	33	0.12 U	7.8	1.6

Table 2
Extell Redevelopment Site
547 - 551 Tenth Avenue
New York, NY
Soil Analytical Results
Semivolatile Organic Compounds

Client ID	NYSDEC	NYSDEC	NYSDEC	SB-7 (3-4)	SB-7 (14-15)	SB-8 (4-5)	SB-8 (14-15)	SB-9 (3-4)	SB-9 (14-15)
Lab Sample ID	Part 375	Part 375	Part 375	L1121840-13	L1121840-14	L1121840-15	L1121840-16	L1121840-17	L1121840-18
Date Sampled	Unrestricted	Groundwater	Residential	12/28/2011	12/28/2011	12/28/2011	12/28/2011	12/28/2011	12/28/2011
Dilution	SCO	SCO	SCO	15	1	5	2	1	2
mg/kg	mg/kg	mg/kg	mg/kg						
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
1,2,4-Trichlorobenzene	NS	3.4	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
1,2-Dichlorobenzene	1.1	1.1	100	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
1,3-Dichlorobenzene	2.4	2.4	17	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
1,4-Dichlorobenzene	1.8	1.8	9.8	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
2,4,5-Trichlorophenol	NS	0.1	100	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
2,4,6-Trichlorophenol	NS	NS	NS	1.6 U	0.11 U	0.57 U	0.25 U	0.11 U	0.23 U
2,4-Dichlorophenol	NS	0.4	NS	2.4 U	0.17 U	0.86 U	0.38 U	0.17 U	0.35 U
2,4-Dimethylphenol	NS	NS	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
2,4-Dinitrophenol	NS	0.2	100	13 U	0.9 U	4.6 U	2 U	0.89 U	1.8 U
2,4-Dinitrotoluene	NS	NS	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
2,6-Dinitrotoluene	NS	0.17	1.03	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
2-Chloronaphthalene	NS	NS	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
2-Chlorophenol	NS	NS	100	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
2-Methylnaphthalene	NS	36.4	0.41	3.2 U	0.6	1.1 U	8.3	0.22 U	0.5
2-Methylphenol	0.33	0.33	100	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
2-Nitroaniline	NS	0.4	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
2-Nitrophenol	NS	0.3	NS	5.7 U	0.4 U	2 U	0.9 U	0.4 U	0.84 U
3,3'-Dichlorobenzidine	NS	NS	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
3-Methylphenol/4-Methylphenol	0.33	0.33	34	3.8 U	0.27 U	1.4 U	0.6 U	0.27 U	0.56 U
3-Nitroaniline	NS	0.5	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
4,6-Dinitro-o-cresol	NS	NS	NS	6.9 U	0.49 U	2.5 U	1.1 U	0.48 U	1 U
4-Bromophenyl phenyl ether	NS	NS	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
4-Chloroaniline	NS	NS	100	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
4-Chlorophenyl phenyl ether	NS	NS	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
4-Nitroaniline	NS	NS	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
4-Nitrophenol	NS	0.1	NS	3.7 U	0.26 U	1.3 U	0.58 U	0.26 U	0.54 U
Acenaphthene	20	98	100	2.1 U	0.15 U	0.32 J	0.33 U	0.15 U	0.31 U
Acenaphthylene	100	107	100	2.1 U	0.15 U	2	0.33 U	0.15 U	0.31 U
Acetophenone	NS	NS	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
Anthracene	100	1000	100	1.6 U	0.039 J	1.6	0.08 J	0.11 U	0.23 U
Benzo(a)anthracene	1	1	1	1.6 U	0.061 J	**6.1**	0.25 U	0.11 U	0.23 U
Benzo(a)pyrene	1	22	1	2.1 U	0.15 U	**5.9**	0.33 U	0.15 U	0.31 U
Benzo(b)fluoranthene	1	1.7	1	1.6 U	0.11 U	**5.9**	0.25 U	0.11 U	0.23 U
Benzo(ghi)perylene	100	1000	100	2.1 U	0.15 U	4	0.33 U	0.15 U	0.31 U
Benzo(k)fluoranthene	0.8	1.7	1	1.6 U	0.11 U	**5.6**	0.25 U	0.11 U	0.23 U
Benzoic Acid	NS	2.7	100	8.6 U	0.61 U	3.1 U	1.4 U	0.6 U	1.2 U
Benzyl Alcohol	NS	NS	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
Biphenyl	NS	NS	NS	6 U	0.43 U	2.2 U	0.95 U	0.42 U	0.88 U
Bis(2-chloroethoxy)methane	NS	NS	NS	2.8 U	0.2 U	1 U	0.45 U	0.2 U	0.42 U
Bis(2-chloroethyl)ether	NS	NS	NS	2.4 U	0.17 U	0.86 U	0.38 U	0.17 U	0.35 U
Bis(2-chloroisopropyl)ether	NS	NS	NS	3.2 U	0.22 U	1.1 U	0.5 U	0.22 U	0.46 U
Bis(2-Ethylhexyl)phthalate	NS	435	50	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
Butyl benzyl phthalate	NS	0.22	100	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
Carbazole	NS	NS	NS	2.6 U	0.19 U	0.73 J	0.42 U	0.18 U	0.39 U
Chrysene	1	1	1	1.6 U	0.058 J	**6.3**	0.076 J	0.11 U	0.091 J
Dibenzo(a,h)anthracene	0.33	1000	0.33	1.6 U	0.11 U	**1.6**	0.25 U	0.11 U	0.23 U
Dibenzofuran	7	210	14	2.6 U	0.19 U	0.31 J	0.14 J	0.18 U	0.39 U
Diethyl phthalate	NS	7.1	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
Dimethyl phthalate	NS	27	100	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
Di-n-butylphthalate	NS	8.1	100	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
Di-n-octylphthalate	NS	120	100	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
Fluoranthene	100	1000	100	1.9	0.13	8.7	0.33	0.11 U	0.29
Fluorene	30	386	100	2.6 U	0.065 J	0.38 J	0.42 U	0.18 U	0.39 U
Hexachlorobenzene	0.33	1.4	0.41	1.6 U	0.11 U	0.57 U	0.25 U	0.11 U	0.23 U
Hexachlorobutadiene	NS	NS	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
Hexachlorocyclopentadiene	NS	NS	NS	7.6 U	0.54 U	2.7 U	1.2 U	0.53 U	1.1 U
Hexachloroethane	NS	NS	NS	2.1 U	0.15 U	0.76 U	0.33 U	0.15 U	0.31 U
Indeno(1,2,3-cd)Pyrene	0.5	8.2	0.5	2.1 U	0.15 U	**3.3**	0.33 U	0.15 U	0.31 U
Isophorone	NS	4.4	100	2.4 U	0.17 U	0.86 U	0.38 U	0.17 U	0.35 U
Naphthalene	12	12	100	2.6 U	0.6	0.37 J	2.1	0.18 U	0.63
Nitrobenzene	NS	0.17	3.7	2.4 U	0.17 U	0.86 U	0.38 U	0.17 U	0.35 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	NS	2.1 U	0.15 U	0.76 U	0.33 U	0.15 U	0.31 U
n-Nitrosodi-n-propylamine	NS	NS	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
P-Chloro-M-Cresol	NS	NS	NS	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
Pentachlorophenol	0.8	0.8	2.4	2.1 U	0.15 U	0.76 U	0.33 U	0.15 U	0.31 U
Phenanthrene	100	1000	100	1.6 U	0.16	6.9	0.61	0.11 U	0.21 J
Phenol	0.33	0.33	100	2.6 U	0.19 U	0.95 U	0.42 U	0.18 U	0.39 U
Pyrene	100	1000	100	0.6 J	0.12	8.8	0.21 J	0.11 U	0.1 J

Table 2
Extell Redevelopment Site
547 - 551 Tenth Avenue
New York, NY
Soil Analytical Results
Semivolatile Organic Compounds

Client ID	NYSDEC	NYSDEC	NYSDEC	SB-10 (11-12)	SB-11 (14-15)	SB-11A (14-15)	SB-12 (11-12)	SB-13 (14-15)
Lab Sample ID	Part 375	Part 375	Part 375	L1121840-19	L1121840-20	L1121840-21	L1121840-22	L1121840-23
Date Sampled	Unrestricted	Groundwater	Residential	12/29/2011	12/29/2011	12/29/2011	12/29/2011	12/29/2011
Dilution	SCO	SCO	SCO	2	2	1	1	1
mg/kg	mg/kg	mg/kg	mg/kg					
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NS	3.4	NS	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	1.1	1.1	100	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	2.4	2.4	17	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	1.8	9.8	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NS	0.1	100	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NS	NS	NS	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NS	0.4	NS	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NS	NS	NS	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NS	0.2	100	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NS	NS	NS	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NS	0.17	1.03	NA	NA	NA	NA	NA
2-Chloronaphthalene	NS	NS	NS	NA	NA	NA	NA	NA
2-Chlorophenol	NS	NS	100	NA	NA	NA	NA	NA
2-Methylnaphthalene	NS	36.4	0.41	NA	NA	NA	NA	NA
2-Methylphenol	0.33	0.33	100	NA	NA	NA	NA	NA
2-Nitroaniline	NS	0.4	NS	NA	NA	NA	NA	NA
2-Nitrophenol	NS	0.3	NS	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NS	NS	NS	NA	NA	NA	NA	NA
3-Methylphenol/4-Methylphenol	0.33	0.33	34	NA	NA	NA	NA	NA
3-Nitroaniline	NS	0.5	NS	NA	NA	NA	NA	NA
4,6-Dinitro-o-cresol	NS	NS	NS	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NS	NS	NS	NA	NA	NA	NA	NA
4-Chloroaniline	NS	NS	100	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	NS	NS	NA	NA	NA	NA	NA
4-Nitroaniline	NS	NS	NS	NA	NA	NA	NA	NA
4-Nitrophenol	NS	0.1	NS	NA	NA	NA	NA	NA
Acenaphthene	20	98	100	0.3 U	0.32 U	1.5	0.43	0.15 U
Acenaphthylene	100	107	100	0.3 U	0.32 U	1.9	0.43	0.15 U
Acetophenone	NS	NS	NS	NA	NA	NA	NA	NA
Anthracene	100	1000	100	0.11 J	1.5	1.9	0.81	0.11 U
Benzo(a)anthracene	1	1	1	0.29	0.24 U	**1.3**	**1.3**	0.11 U
Benzo(a)pyrene	1	22	1	0.24 J	0.32 U	**1.1**	1	0.15 U
Benzo(b)fluoranthene	1	1.7	1	0.22 J	0.24 U	**1.4**	**1.4**	0.11 U
Benzo(ghi)perylene	100	1000	100	0.3 U	0.32 U	0.66	0.62	0.15 U
Benzo(k)fluoranthene	0.8	1.7	1	0.22 J	0.24 U	0.57	0.45	0.11 U
Benzoic Acid	NS	2.7	100	NA	NA	NA	NA	NA
Benzyl Alcohol	NS	NS	NS	NA	NA	NA	NA	NA
Biphenyl	NS	NS	NS	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NS	NS	NS	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	NS	NS	NS	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	NS	NS	NS	NA	NA	NA	NA	NA
Bis(2-Ethylhexyl)phthalate	NS	435	50	NA	NA	NA	NA	NA
Butyl benzyl phthalate	NS	0.22	100	NA	NA	NA	NA	NA
Carbazole	NS	NS	NS	NA	NA	NA	NA	NA
Chrysene	1	1	1	0.28	0.24 U	**1.2**	**1.2**	0.11 U
Dibenzo(a,h)anthracene	0.33	1000	0.33	0.23 U	0.24 U	0.12 U	0.11 U	0.11 U
Dibenzofuran	7	210	14	NA	NA	NA	NA	NA
Diethyl phthalate	NS	7.1	NS	NA	NA	NA	NA	NA
Dimethyl phthalate	NS	27	100	NA	NA	NA	NA	NA
Di-n-butylphthalate	NS	8.1	100	NA	NA	NA	NA	NA
Di-n-octylphthalate	NS	120	100	NA	NA	NA	NA	NA
Fluoranthene	100	1000	100	0.5	0.24 U	3.7	3.1	0.11 U
Fluorene	30	386	100	0.38 U	5.4	1.7	0.32	0.19 U
Hexachlorobenzene	0.33	1.4	0.41	NA	NA	NA	NA	NA
Hexachlorobutadiene	NS	NS	NS	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NS	NS	NS	NA	NA	NA	NA	NA
Hexachloroethane	NS	NS	NS	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	0.5	8.2	0.5	0.1 J	0.32 U	**0.74**	**0.69**	0.15 U
Isophorone	NS	4.4	100	NA	NA	NA	NA	NA
Naphthalene	12	12	100	0.38 U	3.2	0.82	0.2	0.19 U
Nitrobenzene	NS	0.17	3.7	NA	NA	NA	NA	NA
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	NS	NA	NA	NA	NA	NA
n-Nitrosodi-n-propylamine	NS	NS	NS	NA	NA	NA	NA	NA
P-Chloro-M-Cresol	NS	NS	NS	NA	NA	NA	NA	NA
Pentachlorophenol	0.8	0.8	2.4	NA	NA	NA	NA	NA
Phenanthrene	100	1000	100	0.5	21	8.9	4.3	0.11 U
Phenol	0.33	0.33	100	NA	NA	NA	NA	NA
Pyrene	100	1000	100	0.52	0.43	3.2	2.7	0.11 U

Table 3

Extell Redevelopment Site

547 - 551 Tenth Avenue

New York, NY

Soil Analytical Results

Metals

Client ID Lab Sample ID Date Sampled mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Groundwater SCO mg/kg	NYSDEC Part 375 Residential SCO mg/kg	SB-1 (3-4) L1121840-01 12/28/2011	SB-1 (13-14) L1121840-02 12/28/2011	SB-2 (0-1) L1121840-03 12/28/2011	SB-2 (13-14) L1121840-04 12/28/2011	SB-3 (1-2) L1121840-05 12/28/2011	SB-3 (13-14) L1121840-06 12/28/2011	SB-4 (2-3) L1121840-07 12/28/2011	SB-4 (14-15) L1121840-08 12/28/2011	SB-5 (2-3) L1121840-09 12/28/2011	SB-5 (14-15) L1121840-10 12/28/2011
Aluminum	**NS**	**NS**	**NS**	5,900	10,000	9,600	13,000	7,700	12,000	6,300	15,000	9,900	13,000
Antimony	**NS**	**NS**	**NS**	1.4 J	1.8 J	1.7 J	1.4 J	1.9 J	1.3 J	1.9 J	2.6 J	2.4 J	1.8 J
Arsenic	**13**	**16**	**16**	3.8	2.7	7	3	11	3.1	6.2	2.7	**16**	4.4
Barium	**350**	**820**	**350**	81	55	290	52	**600**	87	330	140	**560**	66
Beryllium	**7.2**	**47**	**14**	0.4 J	0.4 J	0.6	0.46 J	2.4	0.45 J	0.25 J	0.49	0.96	0.45 J
Cadmium	**2.5**	**7.5**	**2.5**	0.22 J	0.89 U	0.38 J	1 U	0.45 J	0.94 U	0.52 J	0.97 U	1	1 U
Calcium	**NS**	**NS**	**NS**	59,000	10,000	32,000	1,400	94,000	2,900	58,000	2,100	73,000	3,500
Chromium	**30**	**19**	**36**	26	13	15	16	19	15	17	26	18	16
Cobalt	**NS**	**NS**	**30**	25	6	6.8	6.8	12	6	5.2	8.7	5.3	8.4
Copper	**50**	**1,720**	**270**	28	19	**51**	22	**210**	17	29	35	**68**	22
Iron	**NS**	**NS**	**2,000**	14,000	14,000	15,000	15,000	16,000	14,000	20,000	20,000	15,000	20,000
Lead	**63**	**450**	**400**	60	38	**520**	52	**680**	**70**	**310**	59	**630**	**100**
Magnesium	**NS**	**NS**	**NS**	29,000	5,400	4,300	3,200	5,200	2,800	5,200	5,300	14,000	3,700
Manganese	**1,600**	**2,000**	**2,000**	330	300	280	170	670	220	300	200	390	270
Mercury	**0.18**	**0.73**	**0.81**	**0.51**	0.07 J	**0.56**	0.12	**0.66**	0.12	**0.39**	0.14	**0.32**	**1**
Nickel	**30**	**130**	**140**	**350**	14	25	15	**48**	13	13	17	24	15
Potassium	**NS**	**NS**	**NS**	1,400	1,200	1,400	1,100	1,100	1,400	1,300	4,500	2,100	1,300
Selenium	**3.9**	**4**	**36**	0.91 J	0.93 J	1.1 J	1 J	1.7 J	0.94 J	1.2 J	1.3 J	1.6 J	1.4 J
Silver	**2**	**8.3**	**36**	0.89 U	0.89 U	0.28 J	1 U	0.32 J	0.94 U	0.17 J	0.97 U	0.46 J	1 U
Sodium	**NS**	**NS**	**NS**	280	240	700	150 J	650	170 J	460	290	440	280
Thallium	**NS**	**NS**	**NS**	1.8 U	1.8 U	1.8 U	2 U	1.8 U	1.9 U	1.7 U	1.9 U	1.7 U	2.1 U
Vanadium	**NS**	**NS**	**100**	21	17	35	22	40	21	19	45	76	21
Zinc	**109**	**2,480**	**2,200**	**120**	49	**490**	38	**1,200**	39	**560**	55	**470**	53

Table 3

Extell Redevelopment Site

547 - 551 Tenth Avenue

New York, NY

Soil Analytical Results

Metals

Client ID Lab Sample ID Date Sampled mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Groundwater SCO mg/kg	NYSDEC Part 375 Residential SCO mg/kg	SB-6 (1-2) L1121840-11 12/28/2011	SB-6 (13-14) L1121840-12 12/28/2011	SB-7 (3-4) L1121840-13 12/28/2011	SB-7 (14-15) L1121840-14 12/28/2011	SB-8 (4-5) L1121840-15 12/28/2011	SB-8 (14-15) L1121840-16 12/28/2011	SB-9 (3-4) L1121840-17 12/28/2011	SB-9 (14-15) L1121840-18 12/28/2011
Aluminum	**NS**	**NS**	**NS**	4,200	8,000	5,100	12,000	7,800	9,000	17,000	9,400
Antimony	**NS**	**NS**	**NS**	1.3 J	1.1 J	4.2 U	1.9 J	0.95 J	1.6 J	2.5 J	1.3 J
Arsenic	**13**	**16**	**16**	5.1	2.8	3.9	4.3	7	7.2	2.2	6.6
Barium	**350**	**820**	**350**	280	220	32	140	**500**	110	170	160
Beryllium	**7.2**	**47**	**14**	0.27 J	0.33 J	0.21 J	0.5	0.38 J	0.44 J	0.49	0.5
Cadmium	**2.5**	**7.5**	**2.5**	0.83 J	0.08 J	0.1 J	0.88 U	0.25 J	1.1 U	0.92 U	1 U
Calcium	**NS**	**NS**	**NS**	36,000	8,200	45,000	6,000	26,000	15,000	5,400	5,100
Chromium	**30**	**19**	**36**	17	13	11	24	9.8	16	23	16
Cobalt	**NS**	**NS**	**30**	2.7	5.8	2.8	8.6	3.8	6.3	14	8.1
Copper	**50**	**1,720**	**270**	38	33	13	39	32	35	48	30
Iron	**NS**	**NS**	**2,000**	7,800	11,000	6,700	17,000	9,000	16,000	24,000	14,000
Lead	**63**	**450**	**400**	**780**	**460**	57	**240**	**4700**	**270**	**170**	**120**
Magnesium	**NS**	**NS**	**NS**	8,100	2,800	7,200	5,000	4,000	3,100	7,000	2,600
Manganese	**1,600**	**2,000**	**2,000**	120	140	170	240	250	290	420	340
Mercury	**0.18**	**0.73**	**0.81**	**0.66**	**0.73**	0.13	**2**	**0.62**	**0.61**	**0.22**	**0.54**
Nickel	**30**	**130**	**140**	13	13	7.9	19	9	14	23	16
Potassium	**NS**	**NS**	**NS**	660	1,500	620	3,900	840	1,400	5,800	1,800
Selenium	**3.9**	**4**	**36**	0.58 J	0.74 J	0.49 J	1.4 J	1.2 J	2.2	1.5 J	1.4 J
Silver	**2**	**8.3**	**36**	0.17 J	0.96 U	0.84 U	0.88 U	0.93 U	1.1 U	0.92 U	1 U
Sodium	**NS**	**NS**	**NS**	360	200	260	320	590	680	330	400
Thallium	**NS**	**NS**	**NS**	1.9 U	1.9 U	1.7 U	1.8 U	1.9 U	2.1 U	1.8 U	2 U
Vanadium	**NS**	**NS**	**100**	30	19	20	31	15	21	40	24
Zinc	**109**	**2,480**	**2,200**	**550**	**140**	38	77	**400**	93	65	55

Table 4
Extell Redevelopment Site
547 - 551 Tenth Avenue
New York, NY
Soil Analytical Results
Polychlorinated Biphenyls & Pesticides

Client ID Lab Sample ID Date Sampled Dilution Polychlorinated Biphenyls - mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Groundwater SCO mg/kg	NYSDEC Part 375 Residential SCO mg/kg	SB-1 (3-4) L1121840-01 12/28/2011 1	SB-1 (13-14) L1121840-02 12/28/2011 1	SB-2 (0-1) L1121840-03 12/28/2011 1	SB-2 (13-14) L1121840-04 12/28/2011 1	SB-3 (1-2) L1121840-05 12/28/2011 1	SB-3 (13-14) L1121840-06 12/28/2011 1	SB-4 (2-3) L1121840-07 12/28/2011 1	SB-4 (14-15) L1121840-08 12/28/2011 1	SB-5 (2-3) L1121840-09 12/28/2011 1
Aroclor 1016	**0.1**	**3.2**	**1**	0.0362 U	0.0386 U	0.0378 U	0.0381 U	0.0388 U	0.0384 U	0.0376 U	0.0371 U	0.0365 U
Aroclor 1221	**0.1**	**3.2**	**1**	0.0362 U	0.0386 U	0.0378 U	0.0381 U	0.0388 U	0.0384 U	0.0376 U	0.0371 U	0.0365 U
Aroclor 1232	**0.1**	**3.2**	**1**	0.0362 U	0.0386 U	0.0378 U	0.0381 U	0.0388 U	0.0384 U	0.0376 U	0.0371 U	0.0365 U
Aroclor 1242	**0.1**	**3.2**	**1**	0.0362 U	0.0386 U	0.0378 U	0.0381 U	0.0388 U	0.0384 U	0.0376 U	0.0371 U	0.0365 U
Aroclor 1248	**0.1**	**3.2**	**1**	0.0362 U	0.0386 U	0.0378 U	0.0381 U	0.0388 U	0.0384 U	0.0376 U	0.0371 U	0.0365 U
Aroclor 1254	**0.1**	**3.2**	**1**	0.0362 U	0.0386 U	0.0378 U	0.0381 U	0.0388 U	0.0384 U	0.0376 U	0.0371 U	0.0365 U
Aroclor 1260	**0.1**	**3.2**	**1**	0.0362 U	0.0386 U	0.0378 U	0.0381 U	0.0202 J	0.0384 U	0.0376 U	0.0371 U	0.019 J

Pesticides - mg/kg

Dilution				20	1	20	1	1	1	20	1	50
4,4'-DDD	**0.0033**	**14**	**2.6**	0.0351 U	0.00189 U	0.0356 U	0.00189 U	**0.0209**	0.00184 U	0.0364 U	0.00179 U	0.0849 U
4,4'-DDE	**0.0033**	**17**	**1.8**	0.0351 U	0.00189 U	0.0356 U	0.00189 U	**0.144**	0.00184 U	**0.0249** J	0.00109 J	0.0849 U
4,4'-DDT	**0.0033**	**136**	**1.7**	0.0658 U	0.00355 U	0.0666 U	0.00355 U	**0.358**	**0.00362**	**0.0599** J	**0.00369**	**0.0983** J
Aldrin	**0.005**	**0.19**	**0.019**	0.0351 U	0.00189 U	0.0356 U	0.00189 U	0.00178 U	0.00184 U	0.0364 U	0.00179 U	0.0849 U
Alpha-BHC	**0.02**	**0.02**	**0.097**	0.0146 U	0.000789 U	0.0148 U	0.000789 U	0.000742 U	0.000768 U	0.0152 U	0.000744 U	0.0354 U
Beta-BHC	**0.036**	**0.09**	**0.072**	0.0351 U	0.00189 U	0.0356 U	0.00189 U	0.00178 U	0.00184 U	0.0364 U	0.00179 U	0.0849 U
Chlordane	**0.094**	**2.9**	**0.91**	0.285 U	0.0154 U	0.289 U	0.0154 U	**0.148**	0.015 U	0.296 U	0.0145 U	0.69 U
Delta-BHC	**0.04**	**0.25**	**100**	0.0351 U	0.00189 U	0.0356 U	0.00189 U	0.00178 U	0.00184 U	0.0364 U	0.00179 U	0.0849 U
Dieldrin	**0.005**	**0.1**	**0.039**	0.0219 U	0.00118 U	0.0222 U	0.00118 U	0.00111 U	0.00115 U	0.0227 U	0.00112 U	0.0531 U
Endosulfan I	**2.4**	**102**	**4.8**	0.0351 U	0.00189 U	0.0356 U	0.00189 U	0.00178 U	0.00184 U	0.0364 U	0.00179 U	0.0849 U
Endosulfan II	**2.4**	**102**	**4.8**	0.0351 U	0.00189 U	0.0356 U	0.00189 U	0.00178 U	0.00184 U	0.0364 U	0.00179 U	0.0849 U
Endosulfan sulfate	**2.4**	**1,000**	**4.8**	0.0146 U	0.000789 U	0.0148 U	0.000789 U	0.000742 U	0.000768 U	0.0152 U	0.000744 U	0.0354 U
Endrin	**0.014**	**0.06**	**2.2**	0.0146 U	0.000789 U	0.0148 U	0.000789 U	0.000742 U	0.000768 U	0.0152 U	0.000744 U	0.0354 U
Endrin ketone	**NS**	**NS**	**NS**	0.0351 U	0.00189 U	0.0356 U	0.00189 U	0.00178 U	0.00184 U	0.0364 U	0.00179 U	0.0849 U
Heptachlor	**0.042**	**0.38**	**0.42**	0.0175 U	0.000947 U	0.0178 U	0.000947 U	0.000891 U	0.000922 U	0.0182 U	0.000893 U	0.0424 U
Heptachlor epoxide	**NS**	**0.02**	**0.077**	0.0658 U	0.00355 U	0.0666 U	0.00355 U	0.00334 U	0.00346 U	0.0682 U	0.00335 U	0.159 U
Lindane	**0.1**	**0.1**	**0.28**	0.0146 U	0.000789 U	0.0148 U	0.000789 U	0.000742 U	0.000768 U	0.0152 U	0.000744 U	0.0354 U
Methoxychlor	**NS**	**900**	**100**	0.0658 U	0.00355 U	0.0666 U	0.00355 U	0.00361	0.00346 U	0.0682 U	0.00335 U	0.159 U
Toxaphene	**NS**	**NS**	**NS**	0.658 U	0.0355 U	0.666 U	0.0355 U	0.0334 U	0.0346 U	0.682 U	0.0335 U	1.59 U
trans-Chlordane	**NS**	**14**	**0.54**	0.0439 U	0.00237 U	0.0444 U	0.00237 U	0.0274	0.0023 U	0.0455 U	0.00223 U	0.106 U

Table 4

Extell Redevelopment Site

547 - 551 Tenth Avenue

New York, NY

Soil Analytical Results

Polychlorinated Biphenyls & Pesticides

Client ID Lab Sample ID Date Sampled Dilution Polychlorinated Biphenyls - mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Groundwater SCO mg/kg	NYSDEC Part 375 Residential SCO mg/kg	SB-5 (14-15) L1121840-10 12/28/2011 1	SB-6 (1-2) L1121840-11 12/28/2011 1	SB-6 (13-14) L1121840-12 12/28/2011 1	SB-7 (3-4) L1121840-13 12/28/2011 1	SB-7 (14-15) L1121840-14 12/28/2011 1	SB-8 (4-5) L1121840-15 12/28/2011 1	SB-8 (14-15) L1121840-16 12/28/2011 1	SB-9 (3-4) L1121840-17 12/28/2011 1	SB-9 (14-15) L1121840-18 12/28/2011 1
Aroclor 1016	**0.1**	**3.2**	**1**	0.0403 U	0.0357 U	0.0378 U	0.0351 U	0.037 U	0.0382 U	0.0406 U	0.0365 U	0.0386 U
Aroclor 1221	**0.1**	**3.2**	**1**	0.0403 U	0.0357 U	0.0378 U	0.0351 U	0.037 U	0.0382 U	0.0406 U	0.0365 U	0.0386 U
Aroclor 1232	**0.1**	**3.2**	**1**	0.0403 U	0.0357 U	0.0378 U	0.0351 U	0.037 U	0.0382 U	0.0406 U	0.0365 U	0.0386 U
Aroclor 1242	**0.1**	**3.2**	**1**	0.0403 U	0.0357 U	0.0378 U	0.0351 U	0.037 U	0.0382 U	0.0406 U	0.0365 U	0.0386 U
Aroclor 1248	**0.1**	**3.2**	**1**	0.0403 U	0.0357 U	0.0378 U	0.0351 U	0.037 U	0.0382 U	0.0406 U	0.0365 U	0.0386 U
Aroclor 1254	**0.1**	**3.2**	**1**	0.0403 U	0.0357 U	0.0378 U	0.0351 U	0.037 U	0.0382 U	0.0406 U	0.0365 U	0.0386 U
Aroclor 1260	**0.1**	**3.2**	**1**	0.0403 U	0.0357 U	0.0378 U	0.0223 J	0.037 U	0.0382 U	0.0406 U	0.0365 U	0.0386 U

Pesticides - mg/kg

Dilution				1	20	1	100	1	1	10	1	1
4,4'-DDD	**0.0033**	**14**	**2.6**	0.00193 U	0.0336 U	0.00184 U	0.162 U	0.00184 U	0.00183 U	0.0195 U	0.00177 U	0.00181 U
4,4'-DDE	**0.0033**	**17**	**1.8**	0.00193 U	0.0336 U	0.00184 U	0.162 U	0.00184 U	0.00183 U	0.0195 U	0.00177 U	0.00181 U
4,4'-DDT	**0.0033**	**136**	**1.7**	0.00361 U	**0.0321** J	0.00206 J	0.304 U	0.00345 U	0.00344 U	0.0365 U	0.00331 U	0.0034 U
Aldrin	**0.005**	**0.19**	**0.019**	0.00193 U	0.0336 U	0.00184 U	0.162 U	0.00184 U	0.00183 U	0.0195 U	0.00177 U	0.00181 U
Alpha-BHC	**0.02**	**0.02**	**0.097**	0.000803 U	0.014 U	0.000769 U	0.0676 U	0.000766 U	0.000763 U	0.00812 U	0.000736 U	0.000756 U
Beta-BHC	**0.036**	**0.09**	**0.072**	0.00193 U	0.0336 U	0.00184 U	0.162 U	0.00184 U	0.00183 U	0.0195 U	0.00177 U	0.00181 U
Chlordane	**0.094**	**2.9**	**0.91**	0.0156 U	0.273 U	0.015 U	1.32 U	0.0149 U	0.0149 U	0.158 U	0.0144 U	0.0147 U
Delta-BHC	**0.04**	**0.25**	**100**	0.00193 U	0.0336 U	0.00184 U	0.162 U	0.00184 U	0.00183 U	0.0195 U	0.00177 U	0.00181 U
Dieldrin	**0.005**	**0.1**	**0.039**	0.0012 U	0.021 U	0.00115 U	0.101 U	0.00115 U	0.00114 U	0.0122 U	0.0011 U	0.00113 U
Endosulfan I	**2.4**	**102**	**4.8**	0.00193 U	0.0336 U	0.00184 U	0.162 U	0.00184 U	0.00183 U	0.0195 U	0.00177 U	0.00181 U
Endosulfan II	**2.4**	**102**	**4.8**	0.00193 U	0.0336 U	0.00184 U	0.162 U	0.00184 U	0.00183 U	0.0195 U	0.00177 U	0.00181 U
Endosulfan sulfate	**2.4**	**1,000**	**4.8**	0.000803 U	0.014 U	0.00156	0.0676 U	0.000766 U	0.000763 U	0.00812 U	0.000736 U	0.000756 U
Endrin	**0.014**	**0.06**	**2.2**	0.000803 U	0.014 U	0.000769 U	0.0676 U	0.000766 U	0.000763 U	0.00812 U	0.000736 U	0.000756 U
Endrin ketone	**NS**	**NS**	**NS**	0.00193 U	0.0336 U	0.00184 U	0.162 U	0.00184 U	0.00183 U	0.0195 U	0.00177 U	0.00181 U
Heptachlor	**0.042**	**0.38**	**0.42**	0.000963 U	0.0168 U	0.000923 U	0.0811 U	0.00092 U	0.000916 U	0.00974 U	0.000883 U	0.000907 U
Heptachlor epoxide	**NS**	**0.02**	**0.077**	0.00361 U	0.063 U	0.00346 U	0.304 U	0.00345 U	0.00344 U	0.0365 U	0.00331 U	0.0034 U
Lindane	**0.1**	**0.1**	**0.28**	0.000803 U	0.014 U	0.000769 U	0.0676 U	0.000766 U	0.000763 U	0.00812 U	0.000736 U	0.000756 U
Methoxychlor	**NS**	**900**	**100**	0.00361 U	0.063 U	0.00346 U	0.304 U	0.00345 U	0.00344 U	0.0365 U	0.00331 U	0.0034 U
Toxaphene	**NS**	**NS**	**NS**	0.0361 U	0.63 U	0.0346 U	3.04 U	0.0345 U	0.0344 U	0.365 U	0.0331 U	0.034 U
trans-Chlordane	**NS**	**14**	**0.54**	0.00241 U	0.042 U	0.00231 U	0.203 U	0.0023 U	0.00229 U	0.0244 U	0.00221 U	0.00227 U

Table 5

Extell Redevelopment Site

547 - 551 Tenth Avenue

New York, NY

Groundwater Analytical Results

Volatile Organic Compounds

Client ID	NYSDEC	TW-1	TW-2	TW-4	TW-7	TW-8	TW-9
Lab Sample ID	Class GA	L1121840-24	L1121840-25	L1121840-26	L1121840-27	L1121840-28	L1121840-29
Date Sampled	Ambient	12/28/2011	12/28/2011	12/28/2011	12/29/2011	12/29/2011	12/29/2011
Dilution	Standard	1	1	1	1	1	400
µg/L	µg/L						
1,1,1,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
1,1,1-Trichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
1,1,2-Trichloroethane	1	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	30 U
1,1-Dichloroethane	5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	30 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
1,2,3-Trichloropropane	0.04	5 U	5 U	5 U	5 U	5 U	200 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	**30**	3.5	**87**
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
1,2,4-Trimethylbenzene	5	2.5 U	0.33 J	0.36 J	1.6 J	2.5 U	**160**
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
1,2-Dibromoethane	0.0006	2 U	2 U	2 U	2 U	2 U	80 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
1,2-Dichloropropane	1	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	70 U
1,3,5-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	0.36 J	2.5 U	**160**
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
1,4-Diethylbenzene	NS	2 U	2 U	2 U	4.7	0.83 J	90
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
2-Butanone	50	5 U	5 U	5 U	5 U	3 J	200 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	200 U
4-Ethyltoluene	NS	2 U	2 U	2 U	0.82 J	2 U	170
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	5 U	5 U	200 U
Acetone	50	5 U	3.4 J	2.7 J	5 U	18	200 U
Acrylonitrile	5	5 U	5 U	5 U	5 U	5 U	**220**
Benzene	1	0.5 U	0.5 U	0.5 U	**11**	0.39 J	**280**
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
Bromoform	50	2 U	2 U	2 U	2 U	2 U	80 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	40 U
Carbon disulfide	60	5 U	5 U	5 U	5 U	5 U	200 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
Chlorobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	40 U
Chloroform	7	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	**13** J
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
cis-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	200 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U	200 U
Ethyl ether	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
Ethylbenzene	5	0.5 U	0.5 U	0.5 U	3.5	0.75	**1,400**
Hexachlorobutadiene	0.5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	24 U
Isopropylbenzene	5	0.5 U	0.5 U	0.5 U	**5.1**	1	**94**
Methyl tert butyl ether	10	1 U	1 U	8.5	1.8	**16**	40 U
Methylene chloride	5	5 U	5 U	5 U	5 U	5 U	200 U
Naphthalene	10	2.5 U	2.5 U	2.5 U	0.87 J	0.37 J	**390**
n-Butylbenzene	5	0.5 U	0.5 U	0.5 U	2.6	0.5 U	**42**
n-Propylbenzene	5	0.5 U	0.5 U	0.5 U	**14**	2.9	**240**
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
o-Xylene	5	1 U	1 U	1 U	0.44 J	1 U	**41**
p/m-Xylene	5	1 U	0.6 J	1 U	1.4	1	**690**
p-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
p-Isopropyltoluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
sec-Butylbenzene	5	0.5 U	0.5 U	0.5 U	1.9	0.44 J	20 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	40 U
tert-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
Toluene	5	0.75 U	0.42 J	0.75 U	0.73 J	0.36 J	**95**
trans-1,2-Dichloroethene	5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	30 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
trans-1,4-Dichloro-2-butene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
Vinyl acetate	NS	5 U	5 U	5 U	5 U	5 U	200 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	40 U

Table 5

Extell Redevelopment Site

547 - 551 Tenth Avenue

New York, NY

Groundwater Analytical Results

Volatile Organic Compounds

Client ID	NYSDEC	MW-1	MW-2	MW-3	MW-4	TB-W
Lab Sample ID	Class GA	L1121840-32	L1121840-33	L1121840-34	L1121840-35	L1121840-31
Date Sampled	Ambient	12/30/2011	12/30/2011	12/30/2011	12/30/2011	12/28/2011
Dilution	Standard	5	1	1	1	1
µg/L	µg/L					
1,1,1,2-Tetrachloroethane	5	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	5	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	3.8 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane	5	3.8 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene	5	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	12 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	12 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	25 U	5 U	5 U	5 U	5 U
1,2,4,5-Tetramethylbenzene	5	**140**	**13**	**42**	**25**	2 U
1,2,4-Trichlorobenzene	5	12 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	12 U	2.5 U	0.53 J	0.96 J	2.5 U
1,2-Dibromo-3-chloropropane	0.04	12 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	0.0006	10 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	12 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	8.8 U	1.8 U	1.8 U	1.8 U	1.8 U
1,3,5-Trimethylbenzene	5	12 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	12 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	12 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	12 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	NS	22	1.7 J	6.4	4.8	2 U
2,2-Dichloropropane	5	12 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	25 U	5 U	5 U	5 U	5 U
2-Hexanone	50	25 U	5 U	5 U	5 U	5 U
4-Ethyltoluene	NS	10 U	2 U	2 U	0.58 J	2 U
4-Methyl-2-pentanone	NS	25 U	5 U	5 U	5 U	5 U
Acetone	50	25 U	5 U	5 U	5 U	5 U
Acrylonitrile	5	25 U	5 U	5 U	5 U	5 U
Benzene	1	**40**	**5.8**	**8.4**	**8.3**	0.5 U
Bromobenzene	5	12 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	12 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	10 U	2 U	2 U	2 U	2 U
Bromomethane	5	5 U	1 U	1 U	1 U	1 U
Carbon disulfide	60	25 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	5 U	1 U	1 U	1 U	1 U
Chloroform	7	3.8 U	0.49 J	0.75 U	0.75 U	0.75 U
Chloromethane	5	12 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	25 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	25 U	5 U	5 U	5 U	5 U
Ethyl ether	NS	12 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	**11**	0.5 U	1.2	2.2	0.5 U
Hexachlorobutadiene	0.5	3 U	0.6 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene	5	**34**	**5.2**	**6.1**	4.2	0.5 U
Methyl tert butyl ether	10	2.6 J	**56**	3.7	7.8	1 U
Methylene chloride	5	25 U	5 U	5 U	5 U	5 U
Naphthalene	10	3.3 J	2.5 U	2.5 U	0.9 J	2.5 U
n-Butylbenzene	5	**12**	0.89	2.3	2.6	0.5 U
n-Propylbenzene	5	**93**	1.2	**8.9**	**7.5**	0.5 U
o-Chlorotoluene	5	12 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	5 U	1 U	1 U	0.33 J	1 U
p/m-Xylene	5	3.1 J	1 U	0.52 J	0.65 J	1 U
p-Chlorotoluene	5	12 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene	5	2.5 U	0.5 U	0.5 U	0.49 J	0.5 U
sec-Butylbenzene	5	**7.8**	0.5 U	**5.7**	2.7	0.5 U
Styrene	5	5 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	12 U	2.5 U	0.65 J	0.59 J	2.5 U
Tetrachloroethene	5	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	3.8 U	0.75 U	0.75 U	0.3 J	0.75 U
trans-1,2-Dichloroethene	5	3.8 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene	0.4	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	5	12 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	5	2.3 J	2.4	3.1	0.66	0.5 U
Trichlorofluoromethane	5	12 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	25 U	5 U	5 U	5 U	5 U
Vinyl chloride	2	5 U	1 U	1 U	1 U	1 U

Table 6
Extell Redevelopment Site
547 - 551 Tenth Avenue
New York, NY
Groundwater Analytical Results
Semivolatile Organic Compounds

Client ID Lab Sample ID Date Sampled µg/L	NYSDEC Class GA Ambient Standard µg/L	TW-1 L1121840-24 12/28/2011	TW-2 L1121840-25 12/28/2011	TW-4 L1121840-26 12/28/2011	TW-7 L1121840-27 12/29/2011	TW-8 L1121840-28 12/29/2011
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U
2,4,5-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	10	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	NS	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	NS	0.15 J	0.17 J	0.2 U	0.11 J	0.06 J
2-Methylphenol	NS	5 U	5 U	5 U	5 U	5 U
2-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	5 U	5 U	5 U	5 U	5 U
3-Methylphenol/4-Methylphenol	NS	5 U	5 U	5 U	5 U	5 U
3-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U
4,6-Dinitro-o-cresol	NS	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	NS	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl phenyl ether	NS	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U
4-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acenaphthylene	NS	0.2 U	0.2 U	0.2 U	0.11 J	0.2 U
Acetophenone	NS	5 U	5 U	5 U	5 U	5 U
Anthracene	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(a)anthracene	0.002	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(a)pyrene	ND	0.2 U	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	0.2 U
Benzo(ghi)perylene	NS	0.2 U	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	0.2 U
Benzoic Acid	NS	50 U	50 U	50 U	50 U	50 U
Benzyl Alcohol	NS	2 U	2 U	2 U	2 U	2 U
Biphenyl	5	2 U	2 U	2 U	2 U	2 U
Bis(2-chloroethoxy)methane	5	5 U	5 U	5 U	5 U	5 U
Bis(2-chloroethyl)ether	1	2 U	2 U	2 U	2 U	2 U
Bis(2-chloroisopropyl)ether	NS	2 U	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl)phthalate	5	3 U	2.9 J	3 U	3 U	3 U
Butyl benzyl phthalate	50	5 U	5 U	5 U	5 U	5 U
Carbazole	NS	2 U	2 U	2 U	2 U	2 U
Chrysene	0.002	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibenzo(a,h)anthracene	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibenzofuran	NS	2 U	2 U	2 U	2 U	2 U
Diethyl phthalate	50	5 U	5 U	5 U	5 U	5 U
Dimethyl phthalate	50	5 U	5 U	5 U	5 U	5 U
Di-n-butylphthalate	50	5 U	5 U	5 U	5 U	5 U
Di-n-octylphthalate	50	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50	0.2 U	0.06 J	0.2 U	0.06 J	0.07 J
Fluorene	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobenzene	0.04	0.8 U	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	0.5 U
Hexachlorocyclopentadiene	5	20 U	20 U	20 U	20 U	20 U
Hexachloroethane	5	0.8 U	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	0.2 U
Isophorone	50	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	0.17 J	0.57	0.08 J	0.98	0.13 J
Nitrobenzene	0.4	2 U	2 U	2 U	2 U	2 U
NitrosoDiPhenylAmine(NDPA)/DPA	50	2 U	2 U	2 U	2 U	2 U
n-Nitrosodi-n-propylamine	NS	5 U	5 U	5 U	5 U	5 U
P-Chloro-M-Cresol	NS	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	NS	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Phenanthrene	50	0.2 U	0.07 J	0.2 U	0.2 U	0.12 J
Phenol	NS	5 U	5 U	5 U	5 U	5 U
Pyrene	50	0.2 U	0.2 U	0.2 U	0.07 J	0.07 J

Table 6
Extell Redevelopment Site
547 - 551 Tenth Avenue
New York, NY
Groundwater Analytical Results
Semivolatile Organic Compounds

Client ID Lab Sample ID Date Sampled µg/L	NYSDEC Class GA Ambient Standard µg/L	TW-9 L1121840-29 12/29/2011	MW-1 L1121840-32 12/30/2011	MW-2 L1121840-33 12/30/2011	MW-3 L1121840-34 12/30/2011	MW-4 L1121840-35 12/30/2011
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	2 U	2 U	2 U	2 U	2 U
2,4,5-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	NS	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	10	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	NS	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	NS	66	0.28	0.2 U	0.12 J	0.2 U
2-Methylphenol	NS	5 U	5 U	5 U	5 U	5 U
2-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	5 U	5 U	5 U	5 U	5 U
3-Methylphenol/4-Methylphenol	NS	5 U	5 U	5 U	5 U	5 U
3-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U
4,6-Dinitro-o-cresol	NS	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	NS	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl phenyl ether	NS	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	5 U	5 U	5 U	5 U	5 U
4-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	0.11 J	0.55	0.2 U	0.38	3.7
Acenaphthylene	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acetophenone	NS	5 U	5 U	5 U	5 U	5 U
Anthracene	50	0.2 U	0.2 U	0.2 U	0.06 J	0.77
Benzo(a)anthracene	0.002	0.2 U	0.2 U	0.2 U	**0.08** J	0.2 U
Benzo(a)pyrene	ND	0.2 U	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	0.2 U
Benzo(ghi)perylene	NS	0.2 U	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	0.2 U
Benzoic Acid	NS	50 U	50 U	50 U	50 U	50 U
Benzyl Alcohol	NS	2 U	2 U	2 U	2 U	2 U
Biphenyl	5	2 U	2 U	2 U	2 U	2 U
Bis(2-chloroethoxy)methane	5	5 U	5 U	5 U	5 U	5 U
Bis(2-chloroethyl)ether	1	2 U	2 U	2 U	2 U	2 U
Bis(2-chloroisopropyl)ether	NS	2 U	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl)phthalate	5	3 U	3 U	3 U	3 U	3 U
Butyl benzyl phthalate	50	5 U	5 U	5 U	5 U	5 U
Carbazole	NS	2 U	2 U	2 U	2 U	2 U
Chrysene	0.002	0.2 U	0.2 U	0.2 U	**0.08** J	0.2 U
Dibenzo(a,h)anthracene	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibenzofuran	NS	2 U	2 U	2 U	2 U	3.6
Diethyl phthalate	50	5 U	5 U	5 U	5 U	5 U
Dimethyl phthalate	50	5 U	5 U	5 U	5 U	5 U
Di-n-butylphthalate	50	5 U	5 U	5 U	5 U	5 U
Di-n-octylphthalate	50	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50	0.1 J	0.14 J	0.1 J	0.2	0.28
Fluorene	50	0.16 J	0.99	0.2 U	0.37	9.6
Hexachlorobenzene	0.04	0.8 U	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	0.5 U
Hexachlorocyclopentadiene	5	20 U	20 U	20 U	20 U	20 U
Hexachloroethane	5	0.8 U	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	0.2 U
Isophorone	50	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	**270**	3.2	0.08 J	0.36	1.1
Nitrobenzene	0.4	2 U	2 U	2 U	2 U	2 U
NitrosoDiPhenylAmine(NDPA)/DPA	50	2 U	2 U	2 U	2 U	2 U
n-Nitrosodi-n-propylamine	NS	5 U	5 U	5 U	5 U	5 U
P-Chloro-M-Cresol	NS	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	NS	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Phenanthrene	50	0.21	0.38	0.2 U	0.1 J	6.2
Phenol	NS	5 U	5 U	5 U	5 U	5 U
Pyrene	50	0.09 J	0.17 J	0.09 J	0.18 J	0.32

Table 7

Extell Redevelopment Site

547 - 551 Tenth Avenue

New York, NY

Groundwater Analytical Results

Metals - Totals & Dissolved

Client ID Lab Sample ID Date Sampled Total Metals - µg/L	NYSDEC Class GA Ambient Standard µg/L	TW-1 L1121840-24 12/28/2011	TW-2 L1121840-25 12/28/2011	TW-4 L1121840-26 12/28/2011	TW-7 L1121840-27 12/29/2011	TW-8 L1121840-28 12/29/2011
Aluminum	**NS**	6,100	4,200	19,000	5,600	1,800
Antimony	**3**	1 U	0.5 J	1 U	0.7 J	1 U
Arsenic	**25**	5	9	10	6	7
Barium	**1,000**	661	237	202	27	85
Beryllium	**3**	1.9	0.8 J	**6.6**	**4**	0.3 J
Cadmium	**5**	5 U	5 U	5 U	1 J	5 U
Calcium	**NS**	240,000	300,000	570,000	390,000	56,000
Chromium	**50**	**320**	**580**	**690**	3 J	4 J
Cobalt	**NS**	20 J	11 J	18 J	42	5 J
Copper	**200**	21	190	10 U	40	12
Iron	**300+**	**55,000**	**49,000**	**62,000**	**51,000**	**29,000**
Lead	**25**	**132**	**108**	**35**	**30**	20
Magnesium	**35,000**	**58,000**	**85,000**	**62,000**	**64,000**	**67,000**
Manganese	**300+**	**6,070**	**1,590**	**6,130**	**4,670**	**784**
Mercury	**0.7**	0.6	0.2	0.6	**1.4**	0.2 U
Nickel	**100**	**220**	**224**	**310**	80	8 J
Potassium	**NS**	44,000	48,000	37,000	24,000	34,000
Selenium	**10**	10 U	10 U	10 U	10 U	10 U
Silver	**50**	7 U	7 U	7 U	7 U	7 U
Sodium	**20,000**	**170,000**	**240,000**	**100,000**	**75,000**	**300,000**
Thallium	**0.5**	1 U	0.4 J	0.1 J	0.2 J	1 U
Vanadium	**NS**	59	27	128	3 J	8 J
Zinc	**2,000**	50 J	73	66	595	12 J

Dissolved Metals - µg/L

Aluminum	**NS**	70 J	80 J	80 J	4700	80 J
Antimony	**3**	0.7	0.3 J	0.5	0.3 J	0.3 J
Arsenic	**25**	5 U	5 U	7	7	5 U
Barium	**1,000**	309	220	106	25	19
Beryllium	**3**	0.5 U	0.5 U	0.5 U	**3.3**	0.5 U
Cadmium	**5**	5 U	5 U	5 U	1 J	5 U
Calcium	**NS**	220,000	300,000	540,000	380,000	52,000
Chromium	**50**	10 U	10 U	10 U	2 J	10 U
Cobalt	**NS**	20 U	20 U	20 U	41	3 J
Copper	**200**	10 U	10 U	10 U	35	10 U
Iron	**300+**	150	180	90	**29,000**	**1,200**
Lead	**25**	3 J	3 J	7 J	23	5 J
Magnesium	**35,000**	**57,000**	**86,000**	**61,000**	**62,000**	**67,000**
Manganese	**300+**	**929**	**1,100**	**2,040**	**4,470**	**457**
Mercury	**0.7**	0.2 U	0.2 U	0.2 U	0.3	0.2 U
Nickel	**100**	8 J	24 J	5 J	77	6 J
Potassium	**NS**	42,000	48,000	33,000	23,000	33,000
Selenium	**10**	10 U	10 U	10 U	10 U	10 U
Silver	**50**	7 U	7 U	7 U	7 U	7 U
Sodium	**20,000**	**170,000**	**250,000**	**100,000**	**72,000**	**300,000**
Thallium	**0.5**	0.5 U	0.1 J	0.5 U	0.2 J	0.5 U
Vanadium	**NS**	10 U	10 U	5 J	10 U	10 U
Zinc	**2,000**	16 J	15 J	13 J	578	13 J

Table 7

Extell Redevelopment Site

547 - 551 Tenth Avenue

New York, NY

Groundwater Analytical Results

Metals - Totals & Dissolved

Client ID Lab Sample ID Date Sampled Total Metals - µg/L	NYSDEC Class GA Ambient Standard µg/L	TW-9 L1121840-29 12/29/2011	MW-1 L1121840-32 12/30/2011	MW-2 L1121840-33 12/30/2011	MW-3 L1121840-34 12/30/2011	MW-4 L1121840-35 12/30/2011
Aluminum	**NS**	2,400	11,000	2,000	2,700	1,300
Antimony	**3**	1 U	1 U	1 U	1 U	0.3 J
Arsenic	**25**	4 J	13	5 J	6	4 J
Barium	**1,000**	258	117	327	74	61
Beryllium	**3**	0.4 J	**5**	0.3 J	0.7 J	0.2 J
Cadmium	**5**	5 U	1 J	5 U	5 U	5 U
Calcium	**NS**	210,000	540,000	420,000	390,000	330,000
Chromium	**50**	10 J	20	4 J	10 J	2 J
Cobalt	**NS**	3 J	18 J	20 U	10 J	20 U
Copper	**200**	5 J	27	15	12	9 J
Iron	**300+**	**7,200**	**180,000**	**26,000**	**38,000**	**39,000**
Lead	**25**	**46**	**155**	**88**	**28**	14
Magnesium	**35,000**	27,000	**120,000**	**120,000**	**65,000**	**52,000**
Manganese	**300+**	**1,750**	**12,300**	**2,530**	**4,710**	**609**
Mercury	**0.7**	0.4	0.5	0.3	0.2 J	0.1 J
Nickel	**100**	7 J	24 J	3 J	22 J	25 U
Potassium	**NS**	31,000	27,000	33,000	19,000	49,000
Selenium	**10**	10 U	10 U	10 U	10 U	10 U
Silver	**50**	7 U	7 U	7 U	7 U	7 U
Sodium	**20,000**	**42,000**	**160,000**	**210,000**	**90,000**	**88,000**
Thallium	**0.5**	1 U	0.1 J	1 U	1 U	1 U
Vanadium	**NS**	13	37	9 J	10 J	4 J
Zinc	**2,000**	34 J	180	46 J	239	41 J

Dissolved Metals - µg/L

Aluminum	**NS**	240	200	50 J	90 J	80 J
Antimony	**3**	0.3 J	0.3 J	0.2 J	0.3 J	0.3 J
Arsenic	**25**	5 J	4 J	4 J	5	4 J
Barium	**1,000**	180	68	232	57	47
Beryllium	**3**	0.03 J	1.2	0.5 U	0.1 J	0.5 U
Cadmium	**5**	5 U	1 J	5 U	5 U	5 U
Calcium	**NS**	200,000	580,000	410,000	380,000	360,000
Chromium	**50**	10 U	3 J	10 U	10 U	10 U
Cobalt	**NS**	20 U	11 J	20 U	8 J	20 U
Copper	**200**	10 U	10 U	10 U	10 U	10 U
Iron	**300+**	**990**	**170,000**	**1,500**	**30,000**	**29,000**
Lead	**25**	13	16	6 J	7 J	5 J
Magnesium	**35,000**	26,000	**130,000**	**120,000**	**61,000**	**56,000**
Manganese	**300+**	**1,560**	**13,600**	**2,290**	**4,340**	**634**
Mercury	**0.7**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	**100**	25 U	18 J	25 U	18 J	25 U
Potassium	**NS**	30,000	27,000	32,000	17,000	52,000
Selenium	**10**	10 U	10 U	10 U	10 U	10 U
Silver	**50**	7 U	7 U	7 U	7 U	7 U
Sodium	**20,000**	**42,000**	**160,000**	**200,000**	**83,000**	**95,000**
Thallium	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vanadium	**NS**	4 J	10 U	10 U	10 U	10 U
Zinc	**2,000**	12 J	122	14 J	35 J	18 J

Table 8

Extell Redevelopment Site

547 - 551 Tenth Avenue

New York, NY

Groundwater Analytical Results

Polychlorinated Biphenyls & Pesticides

Client ID Lab Sample ID Date Sampled Polychlorinated Biphenyls - µg/L	NYSDEC Class GA Ambient Standard µg/L	TW-1 L1121840-24 12/28/2011	TW-2 L1121840-25 12/28/2011	TW-4 L1121840-26 12/28/2011	TW-7 L1121840-27 12/29/2011	TW-8 L1121840-28 12/29/2011	TW-9 L1121840-29 12/29/2011	MW-1 L1121840-32 12/30/2011	MW-2 L1121840-33 12/30/2011	MW-3 L1121840-34 12/30/2011	MW-4 L1121840-35 12/30/2011
Aroclor 1016	**0.09**	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1221	**0.09**	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1232	**0.09**	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1242	**0.09**	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1248	**0.09**	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1254	**0.09**	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor 1260	**0.09**	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U
Pesticides - µg/L											
4,4'-DDD	**0.3**	0.053 U	0.055 U	0.047 U	0.042 U	0.059 U	0.044 U	0.043 U	0.051 U	0.047 U	0.043 U
4,4'-DDE	**0.2**	0.053 U	0.055 U	0.047 U	0.042 U	0.059 U	0.044 U	0.043 U	0.051 U	0.047 U	0.043 U
4,4'-DDT	**0.2**	0.053 U	0.055 U	0.047 U	0.042 U	0.059 U	0.044 U	0.043 U	0.051 U	0.047 U	0.043 U
Aldrin	**ND**	0.027 U	0.027 U	0.023 U	0.021 U	0.029 U	0.022 U	0.021 U	0.026 U	0.024 U	0.021 U
Alpha-BHC	**0.01**	0.027 U	0.027 U	0.023 U	0.021 U	0.029 U	0.022 U	0.021 U	0.026 U	0.024 U	0.021 U
Beta-BHC	**0.04**	0.027 U	0.027 U	0.023 U	0.021 U	0.029 U	0.022 U	0.021 U	0.026 U	0.024 U	0.021 U
Chlordane	**0.05**	0.267 U	0.274 U	0.232 U	0.208 U	0.294 U	0.217 U	0.213 U	0.256 U	0.235 U	0.213 U
Delta-BHC	**0.04**	0.027 U	0.027 U	0.023 U	0.021 U	0.029 U	0.022 U	0.021 U	0.026 U	0.024 U	0.021 U
Dieldrin	**0.004**	0.053 U	0.055 U	0.047 U	0.042 U	0.059 U	0.044 U	0.043 U	0.051 U	0.047 U	0.043 U
Endosulfan I	**NS**	0.027 U	0.027 U	0.023 U	0.021 U	0.029 U	0.022 U	0.021 U	0.026 U	0.024 U	0.071
Endosulfan II	**NS**	0.053 U	0.055 U	0.047 U	0.042 U	0.059 U	0.044 U	0.043 U	0.016 J	0.047 U	0.043 U
Endosulfan sulfate	**NS**	0.053 U	0.055 U	0.047 U	0.042 U	0.059 U	0.044 U	0.043 U	0.051 U	0.047 U	0.043 U
Endrin	**ND**	0.053 U	0.055 U	0.047 U	0.042 U	0.059 U	0.044 U	0.043 U	0.051 U	0.047 U	0.043 U
Endrin ketone	**5**	0.053 U	0.055 U	0.047 U	0.042 U	0.059 U	0.044 U	0.043 U	0.051 U	0.047 U	0.043 U
Heptachlor	**0.04**	0.027 U	0.027 U	0.023 U	0.021 U	0.029 U	0.022 U	0.021 U	0.026 U	0.024 U	0.021 U
Heptachlor epoxide	**0.03**	0.027 U	0.027 U	0.023 U	0.021 U	0.029 U	0.022 U	0.016 J	0.026 U	0.024 U	0.021 U
Lindane	**0.05**	0.027 U	0.027 U	0.023 U	0.021 U	0.029 U	0.022 U	0.021 U	0.026 U	0.024 U	0.021 U
Methoxychlor	**35**	0.267 U	0.274 U	0.232 U	0.208 U	0.294 U	0.217 U	0.213 U	0.256 U	0.235 U	0.213 U
Toxaphene	**0.06**	0.267 U	0.274 U	0.232 U	0.208 U	0.294 U	0.217 U	0.213 U	0.256 U	0.235 U	0.213 U
trans-Chlordane	**NS**	0.027 U	0.027 U	0.023 U	0.021 U	0.029 U	0.022 U	0.021 U	0.026 U	0.024 U	0.021 U

Table 9
Extell Redevelopment Site
547 - 551 Tenth Avenue
New York, NY
Soil Vapor Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution µg/m³	NYSDOH 2006 Soil Vapor Indoor Upper Fence µg/m³	NYSDOH 2006 Soil Vapor Intrusion Air Guideline Value µg/m³	EPA 2001 BASE 90th percentile µg/m³	SG-1 L1200012-01 12/30/2011 1	SG-2 L1200012-02 12/30/2011 2	SG-3 L1200012-03 12/30/2011 1	SG-4 L1200012-04 12/30/2011 2	SG-5 L1200012-05 12/30/2011 10
1,1,1-Trichloroethane	2.5	NS	20.6	1.09 U	2.18 U	1.09 U	2.18 U	10.9 U
1,1,2,2-Tetrachloroethane	0.4	NS	NS	1.37 U	2.75 U	1.37 U	2.75 U	13.7 U
1,1,2-Trichloroethane	0.4	NS	<1.5	1.09 U	2.18 U	1.09 U	2.18 U	10.9 U
1,1-Dichloroethane	0.4	NS	<0.7	0.809 U	1.62 U	0.809 U	1.62 U	8.09 U
1,1-Dichloroethene	0.4	NS	<1.4	0.793 U	1.58 U	0.793 U	1.58 U	7.93 U
1,2,4-Trichlorobenzene	0.5	NS	<6.8	1.48 U	2.97 U	1.48 U	2.97 U	14.8 U
1,2,4-Trimethylbenzene	9.8	NS	9.5	7.82	9.29	8.46	3.2	9.83 U
1,2-Dibromoethane	0.4	NS	<1.5	1.54 U	3.07 U	1.54 U	3.07 U	15.4 U
1,2-Dichlorobenzene	0.5	NS	<1.2	1.2 U	2.4 U	1.2 U	2.4 U	12 U
1,2-Dichloroethane	0.4	NS	<0.9	0.809 U	1.62 U	0.809 U	1.62 U	8.09 U
1,2-Dichloropropane	0.4	NS	<1.6	0.924 U	1.85 U	0.924 U	1.85 U	9.24 U
1,3,5-Trimethybenzene	NS	NS	NS	2.88	3.22	2.93	1.97 U	9.83 U
1,3-Butadiene	0.5	NS	<3.0	0.442 U	0.885 U	0.442 U	9.38	4.42 U
1,3-Dichlorobenzene	0.5	NS	<2.4	1.2 U	2.4 U	1.2 U	2.4 U	12 U
1,4-Dichlorobenzene	1.2	NS	5.5	1.2 U	2.4 U	1.2 U	2.4 U	12 U
1,4-Dioxane	NS	NS	NS	0.721 U	1.44 U	0.721 U	1.44 U	7.21 U
2,2,4-Trimethylpentane	5	NS	NS	1.04	1.87 U	2.85	100	2910
2-Butanone	16	NS	12	18.1	11.4	16.7	70.2	8.38
2-Hexanone	NS	NS	NS	5.24	4.18	2.58	5.53	8.2 U
3-Chloropropene	NS	NS	NS	0.626 U	1.25 U	0.626 U	1.25 U	6.26 U
4-Ethyltoluene	NS	NS	3.6	2.85	3.36	2.81	1.97 U	9.83 U
4-Methyl-2-pentanone	1.9	NS	6	3.19	1.64 U	2.41	1.64 U	8.2 U
Acetone	115	NS	98.9	375	430	466	753	413
Benzene	13	NS	9.4	3.7	5.14	2.25	23.5	6.77
Benzyl chloride	NS	NS	<6.8	1.04 U	2.07 U	1.04 U	2.07 U	10.4 U
Bromodichloromethane	NS	NS	NS	1.34 U	2.68 U	1.34 U	2.68 U	13.4 U
Bromoform	NS	NS	NS	2.07 U	4.14 U	2.07 U	4.14 U	20.7 U
Bromomethane	0.5	NS	<1.7	0.777 U	1.55 U	0.777 U	1.55 U	7.77 U
Carbon disulfide	NS	NS	4.2	0.698	5.85	0.623 U	361	13.4
Carbon tetrachloride	1.3	NS	<1.3	1.26 U	2.52 U	1.26 U	2.52 U	12.6 U
Chlorobenzene	0.4	NS	<0.9	0.921 U	1.84 U	0.921 U	1.84 U	9.21 U
Chloroethane	0.4	NS	<1.1	0.528 U	1.06 U	0.528 U	1.06 U	5.28 U
Chloroform	1.2	NS	1.1	2.51	15.8	5.47	10.5	9.77 U
Chloromethane	4.2	NS	3.7	0.413 U	0.826 U	0.413 U	0.826 U	4.13 U
cis-1,2-Dichloroethene	0.4	NS	<1.9	0.793 U	1.58 U	0.793 U	1.58 U	7.93 U
cis-1,3-Dichloropropene	0.4	NS	<2.3	0.908 U	1.82 U	0.908 U	1.82 U	9.08 U
Cyclohexane	6.3	NS	NS	1.05	3.89	0.688 U	25.2	19.9
Dibromochloromethane	NS	NS	NS	1.7 U	3.41 U	1.7 U	3.41 U	17 U
Dichlorodifluoromethane	10	NS	16.5	2.94	3	3.24	2.83	9.89 U
Ethanol	1300	NS	210	5.46	9.42 U	21.1	123	47.1 U
Ethyl Acetate	NS	NS	5.4	1.8 U	3.6 U	1.8 U	3.6 U	18 U
Ethylbenzene	6.4	NS	5.7	9.77	10.8	7.38	9.51	8.69 U
Freon-113	2.5	NS	3.5	1.53 U	3.06 U	1.53 U	3.06 U	15.3 U
Freon-114	0.4	NS	NS	1.4 U	6.1	1.4 U	2.8 U	14 U
Heptane	18	NS	NS	6.06	89.3	3.32	35.4	8.2 U
Hexachlorobutadiene	0.5	NS	<6.8	2.13 U	4.27 U	2.13 U	4.27 U	21.3 U
Isopropanol	NS	NS	250	2.34	2.46 U	3.37	11.8	12.3 U
Methyl tert butyl ether	14	NS	11.5	0.721 U	1.44 U	2.35	2.06	7.21 U
Methylene chloride	16	60	10	3.47 U	6.95 U	3.47 U	6.95 U	34.7 U
n-Hexane	14	NS	10.2	4.02	451	2.28	26.6	76.1
o-Xylene	7.1	NS	7.9	10.8	12	8.95	9.86	8.69 U
p/m-Xylene	11	NS	22.2	34.3	38.6	28.2	27.3	24.3
Propylene	NS	NS	NS	5.49	10.6	4.01	31.8	55.2
Styrene	1.4	NS	1.9	1	1.7 U	0.852 U	1.7 U	8.52 U
Tetrachloroethene	2.5	100	15.9	112	161	71.2	104	111
Tetrahydrofuran	0.8	NS	NS	0.923	1.32	2.9	1.86	5.9 U
Toluene	57	NS	43	44.5	48.6	28	66.3	38.1
trans-1,2-Dichloroethene	NS	NS	NS	0.793 U	1.58 U	0.793 U	1.58 U	7.93 U
trans-1,3-Dichloropropene	NC	NS	<1.3	0.908 U	1.82 U	0.908 U	1.82 U	9.08 U
Trichloroethene	0.5	5	4.2	1.07 U	6.18	1.07 U	2.15 U	10.7 U
Trichlorofluoromethane	12	NS	18.1	1.55	2.25 U	2.79	2.25 U	11.2 U
Vinyl acetate	NS	NS	NS	0.704 U	1.41 U	0.704 U	1.41 U	7.04 U
Vinyl bromide	NS	NS	NS	0.874 U	1.75 U	0.874 U	1.75 U	8.74 U
Vinyl chloride	0.4	NS	<1.9	0.511 U	1.02	0.511	1.02 U	5.11 U

Tables 1-9
Extell Redevelopment Site
547 - 551 Tenth Avenue
New York, NY
Soil, Groundwater & Soil Vapor Analytical Results
Notes

GENERAL

NS : No soil cleanup objective listed.

ND : Not detected.

NA : Not analyzed.

U : The analyte was not detected at the indicated concentration.

J : The concentration given is an estimated value.

Soil Exceedences marked by Part 375 Unrestricted SCOs are highlighted in bold font.
Soil Exceedences marked by Part 375 Restricted SCOs are shaded.

SOIL

Part 375 Soil Cleanup Objectives : Soil Clean-up Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Part 375).

mg/kg : milligrams per kilogram = parts per million (ppm)

GW exceedances of Class GA Ambient Water Quality Standards are marked in bold font.

GROUNDWATER

NYSDEC Class GA Ambient Standard : New York State Department of Environmental Conservation Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.

µg/L : micrograms per Liter = parts per billion (ppb)

SOIL VAPOR

µg/m^3 : micrograms per cubic meter of air

NYSDOH 2003 Soil Vapor Indoor Upper Fence : Upper fence indoor air values from "Table C1. NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes", published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C" (October 2006).

EPA 2001 BASE 90th percentile : 90th Percentile indoor air values from "Table C-2. EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, SUMMA canister method", published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C" (October 2006).

NYSDOH Soil Vapor Intrusion Air Guidance Value : NYSDOH Air Guideline Values (AGVs) presented in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 ("NYSDOH Vapor Intrusion Guidance Document").

APPENDIX A

PREVIOUS INVESTIGATION REPORTS

No. 7 Subway Line Extension - Hudson Yards Rezoning and Development Program CM-1189R / C26501

Phase I Environmental Site Assessment
Block 1069, Lots 29 and 34

537- 547 Tenth Avenue
New York, New York

June 9, 2004

Revision Number 0.2
CIN Number 1783

For:

MTA New York City Transit

New York City Department of City Planning

Submitted by:

PB 100 YEARS

In association with:

The Louis Berger Group, Inc.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 537-547 Tenth Avenue, New York, New York (Block 1069 Lots 29 and 34, hereafter referred to as the 'Subject Property"). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials, lead-based paint, and polychlorinated biphenyls. The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the No. 7 Subway Extension in conjunction with the Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 17,875-square foot rectangular-shaped parcel located on the west side of Tenth Avenue, between West 40th and West 41st Streets, in an area that is primarily characterized by commercial uses. Review of historical Sanborn Fire Insurance Maps identified RECs associated with historical uses of the Subject Property and adjoining properties. These historical RECs include a "Chinese Laundry", a gas station and an automobile repair garage at the Subject Property, and a coal yard, a piano factory and several gas stations at adjoining properties.

Review of regulatory agency databases identified the Subject Property, as well as two nearby facilities, as active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the Hudson Yards Rezoning and Development Program in conjunction with the proposed extension of the No. 7 Subway Extension; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses and three open NY Spills/LTANKS cases have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

TABLE OF CONTENTS

TABLE OF CONTENTS (CONTINUED)

TABLES

FIGURES

APPENDICES

1.0 INTRODUCTION

This report presents the findings of a Phase I Environmental Site Assessment (ESA) conducted by the Parsons Brinckerhoff (PB) Team for the property located at 537-547 Tenth Avenue (Block 1069, Lots 29 and 34), in the Borough of Manhattan, New York (Subject Property). The City of New York (the City) is considering the purchase of the Subject Property for use as part of the No. 7 Subway Extension in conjunction with the Hudson Yards Rezoning and Development Program.

The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the property. This report has been prepared for the City and conforms to the American Society for Testing and Materials (ASTM) *Standard Practice for Phase I Environmental Site Assessments* (E 1527-00), in accordance with the "due diligence" regulations of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), and in accordance with Section 9601 (35)(b) of the Superfund Amendments and Reauthorization Act (SARA), which requires that "all appropriate inquiry" be made into the presence or potential presence of hazardous substances or petroleum products on site.

2.0 SITE CONDITIONS

2.1 Site Description

The Subject Property is located at 537-547 Tenth Avenue, New York, New York. The Subject Property is identified as Block 1069, Lots 29 and 34 in the City's tax records. A map showing the location of the Subject Property is presented in Figure 1. A site plan is contained in Figure 2. Photographs of the Subject Property and the surrounding area are included in *Appendix A*.

The Subject Property consists of an approximately 17,875-square foot rectangular-shaped parcel located on the west side of Tenth Avenue, between West 40th and West 41st Streets. It is improved with asphalt paving, a single-story concrete block structure and a chain link fence around its perimeter. The property is currently used by a commercial van/light truck rental company.

2.1.1 Topography

Based on a review of the United States Geological Survey (USGS) 7.5-Minute Quadrangle Map, *Central Park, NJ - NY*, dated 1995; the elevation of the Subject Property is approximately 25 feet above mean sea level (MSL). The Subject Property was observed to be on a gently sloping plain, with a slight gradient to the west. A copy of the topographic map is presented in Figure 1.

2.1.2 Geology

The Subject Property is underlain by the Manhattan Prong of the New England Uplands physiographic province. The bedrock of the Manhattan Prong underlies much of southwestern Connecticut, Westchester County, New York, and New York City, and ends at the southern tip of Manhattan Island. Three distinct metamorphic rock formations make up the Manhattan Prong; known collectively as the New York City Group. These formations are: the highly folded and contorted Fordham gneiss, the oldest and most widespread of the formations; the Inwood marble, derived from dolomitic limestone; and the younger Manhattan Formation, consisting largely of mica schist, overlying the Inwood marble and making up most of the rock outcrops on Manhattan Island. The soils are mostly acidic, shallow to deep, and rocky (Baskerville 1989).

Surficial geology in the vicinity of the Subject Property is expected to consist of Pleistocene deposits of till and stratified drift, overlain by Holocene deposits. The till was deposited as ground moraine, is less than 25 feet thick in most places and is discontinuous, while Holocene deposits consist of salt marsh deposits, alluvium and shoreline or beach deposits. These sediments consist of sand, gravel, silt, organic silt, peat, loam and shells. Artificial fill overlies most Holocene deposits and contains various mixtures of soil (Baskerville 1989).

Geotechnical information collected from soil borings advanced in the vicinity of the Subject Property indicates that bedrock is found at a depth of approximately 49 feet below grade and consists of gray mica schist.

2.1.3 Soils

Subject Property soils are characterized as *Laguardia/Ebbets* soils, which are very deep, well drained soils, formed on human created or modified landscapes, in a thick (>40 inches) mantle of human transported materials mixed with construction debris. Coarse fragment (>2mm) content, including natural rocks and human artifacts, averages from 35 to 75% by volume. Most of the artifacts (concrete, asphalt, brick, coal ash, etc.) will act like rock fragments. Permeability is moderate in areas where the soil has not been compacted at the surface, and moderately slow where the surface has been compacted or contains platy structure(s) (USDA, NRCS, 2003).

2.1.4 Hydrology

Manhattan Island is underlain by pre-Cambrian metamorphic rocks which have been tightly folded and subsequently eroded. In most places, these pre-Cambrian rocks are overlain by a thin covering of Pleistocene deposits, consisting chiefly of till. The rock beneath most of the island is the Manhattan schist. Manhattan schist contains some joints, irregular fractures and faults along which groundwater moves, but in some places chemical weathering has filled these openings with clay. The Manhattan schist underlies more than three-fourths of Manhattan, but it is not considered to be an important source of groundwater since openings in the bedrock that yield water through joints and fractures are minimal (Perlmutter and Arnow 1953).

Due to the thinness and low permeability of the Pleistocene till, water yields are low. However, there are two large bodies of stratified drift in Manhattan that contain and yield considerable groundwater. Neither of these bodies, which are associated with the prominent depressions in the bedrock surface, is located in close proximity to the Subject Property. One is located in northern Manhattan (extending from 96th Street and the East River to about 145th Street and the Hudson River), while the other is located in southern Manhattan (all of the island south of 14th Street) (Perlmutter and Arnow 1953).

Based on a review of existing information, groundwater beneath the Subject Property is expected to flow to the west, ultimately discharging into the Hudson River, located approximately 2,000 feet to the west. Surface drainage, based on identified topography, flows west from the Subject Property. Estimated groundwater levels and/or flow direction(s) may vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures, or dewatering operations. Stormwater runoff from the Subject Property is expected to drain into stormwater drains located on West 40th and West 41st Streets.

Based on a review of the 1975 New York State Department of Environmental Conservation (NYSDEC) Freshwater Wetlands Map, New York County, Map 2 of 4, no wetlands that are regulated under the Freshwater Wetlands Act are present in the Borough of Manhattan. A review of National Wetlands Inventory (NWI) information present in the EDR Radius Map Report (2003) indicated that no wetlands were present on or adjacent to the Subject Property.

The Federal Emergency Management Agency's digital Q3 flood data for the Subject Property was reviewed (Digital Q3 flood data are developed by scanning the existing Flood Insurance Rate Map (FIRM) hardcopy, vectorizing a thematic overlay of flood risks. Vector Q3 flood data files contain only certain features from the existing FIRM hardcopy and are contained in one single countywide file, including all incorporated and

unincorporated areas of a county. Digital Q3 flood data are designed to support planning activities, some Community Rating System activities, insurance marketing, and mortgage portfolio reviews. The file does not provide base flood elevation information; thus, it has limited application for engineering analysis, particularly for site design. The product is a valuable tool however in screening property addresses within a Geographic Information System to determine flood risks). The Q3 data indicated that the Subject Property is located outside of the 100-year and 500-year flood boundaries. A copy of the Q3 map is included in Figure 3.

2.1.5 Radon

Radon is a colorless, odorless radioactive gas that results from the natural breakdown of uranium minerals in soil, rock, and water, which subsequently enters the atmosphere. It can concentrate in buildings, entering through cracks and other penetrations of a building foundation. Some areas are more likely to have elevated concentrations of radon than others, reflecting subsurface lithologic conditions.

The New York State Department of Health (NYSDOH) maintains a database of radon test results on a local and county level. According to the NYSDOH, area radon information reviewed indicated that the Subject Property is in an area classified as Tier 3 (Low Potential) where the average indoor concentration of radon is less than 2 picocuries per liter (pCi/L), which is less than United States Environmental Protection Agency (USEPA) Action Level of 4 pCi/L. As such, the PB Team concludes that it is unlikely that elevated levels of radon gas are present at the Subject Property.

2.1.6 Adjoining Properties

The general area of the Subject Property consists of commercial and residential land use. The following table summarizes property uses adjacent to the Subject Property:

Direction	Facility Name &/or Description	Street Address &/or Location	Current Use
North	The Victory Building	561 Tenth Avenue	High-Rise Residential Above Ground-Floor Retail & Parking Garage
South	Staging Area for PANYNJ Construction Equipment	531-555 Tenth Avenue	Construction Staging Area
East	Covenant House	460 West 41st Street	Privately-Funded Childcare Agency
West	Sts. Cyril & Raphael Croatian Roman Catholic Church	West 41st Street Avenue	Church

3.0 HISTORICAL RESEARCH

The information obtained during the historical use research is a preliminary means of assessing the potential for hazardous material contamination to be present at the Subject Property. Fire insurance maps were reviewed as part of this effort.

3.1 Fire Insurance Maps

Fire insurance maps (Sanborn Maps) identify historical land uses at the Subject Property and adjacent area, as well as potential areas of environmental concern. They typically document land use, structural changes, street addresses, occupants, gas storage areas, raw material pilings, and types of products manufactured and/or stored on site. The PB Team reviewed Sanborn Maps for the Subject Property and surrounding area in order to identify historical land uses that may have involved hazardous substances and petroleum products. Sanborn Map coverage included the years 1890, 1899, 1911, 1930, 1950, 1968, 1979, 1990 and 1996. Copies of the Sanborn Maps and a complete description of Sanborn Map coverage for these years are provided in *Appendix B* with potential RECs noted in ***bold italics***.

The review of the Sanborn Maps indicated that the Subject Property was developed with eight buildings occupied by residences located above undetermined ground-floor commercial uses from 1890 to 1930. The 1911, 1930 and1950 maps indicate that the ground-floor commercial use located at 539 Tenth Avenue is a Chinese laundry. The 1950 map indicates the presence of a gas station in the northern half of the property, as well as five buildings occupied by residences located above undetermined ground-floor commercial uses. From 1968 to 1979, with the exception of the gas station, the Subject Property was an unoccupied lot. From 1990 to 1996, the northern half of the Subject Property was occupied by the gas station and an automobile repair garage, with the southern half remaining an unoccupied lot.

The review of the Sanborn Maps identified evidence of historical RECs at the Subject Property and surrounding area, as summarized below:

Year	Description	Distance/ Direction	Assumed Hydraulic Gradient
1890	Coal Yard	Adjacent to the West	Crossgradient
1911	Piano Factory	Adjacent to the East	Crossgradient
1930	Chinese Laundry Gas Station	Subject Property Adjacent to the East	-- Crossgradient
1950	Gas Station Two Gas Stations Coal Yard	Subject Property Adjacent to the East 200 Feet Northeast	-- Crossgradient Crossgradient
1968-1979	Gas Station Gas Station Bus Terminal	Subject Property Adjacent to the East 150 Feet Northeast	-- Crossgradient Crossgradient
1990-1996	Gas Station Automobile Repair Garage	Subject Property Subject Property	-- --

4.0 REVIEW OF PUBLIC RECORDS

The databases discussed in this section, provided by EDR of Southport, Connecticut, were reviewed for information regarding documented and/or suspected releases of regulated hazardous substances and/or petroleum products on or near the Subject Property. The PB Team also reviewed the "unmappable" (also referred to as "orphan") listings within the database report, cross-referencing available address information and facility names. Unmappable sites are listings that cannot be plotted with confidence, but are identified as being located within the general area of the Subject Property based on the partial street address, city name, or zip code. In general, a listing cannot be mapped due to inaccurate or incomplete address information in the database that was supplied by the corresponding regulatory agency. Listings from the unmappable summary which were identified as a result of the area reconnaissance and/or cross-referencing to mapped listings are included in the corresponding database discussion within this section. A copy of the federal and state regulatory agency database is presented in *Appendix C.*

4.1 Federal and State Regulatory Agency Database Reviews

A summary of sites identified through the federal and state regulatory agency databases review is provided below:

Federal and State List	Site Appears on List	Search Radius*	No. of Sites within Search Radius	Last Updated
National Priorities List for Federal Superfund Cleanup (NPL)	No	1 Mile	0	4/30/03
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)	No	½ Mile	0	6/16/03
Resource Conservation and Recovery Information System – Treatment, Storage or Disposal Facilities (RCRIS-TSD)/RCRIS Corrective Action Activity (CORRACTS)	No	½ Mile/ 1 Mile	0	3/31/03
Resource Conservation and Recovery Information System – Generators/Transporters (RCRIS Gen/Trans)	Yes	¼ Mile	22	7/11/03
State Inactive Hazardous Waste Sites (SHWS)	No	1 Mile	0	4/1/02
Solid Waste/Landfills Facilities Sites (SWF/LF)	No	½ Mile	0	7/25/02
New York State Spills Information (NY Spills)/Leaking Underground Storage Tanks (LTANKS)	Yes	1/8 Mile/ ½ Mile	54	1/1/02
Petroleum Bulk Storage Tanks/Chemical Bulk Storage Tanks (USTs/ASTs)/Major Oil Storage Facilities (MOSF)	No	¼ Mile/ ½ Mile	28	1/1/02
Voluntary Cleanup Act	No	½ Mile	0	6/17/03
Registered Waste Tire Storage and Facility List	No	½ Mile	0	11/1/02
Registered Recycling Facility	No	½ Mile	0	5/28/03
Federal Toxic Release Inventory System (TRIS)	No	Subject Property	0	12/31/01
Emergency Response Notification System (ERNS)	No	Subject Property	0	12/31/02

* The surrounding area search radius indicates the radial area (measured from the Subject Property) for which the database review was performed.

The following subsections provide a discussion of the surrounding properties, which have been identified within the search radius and listed in the table.

National Priorities List (NPL) – Superfund

The United States Environmental Protection Agency's (USEPA) NPL (or Superfund List) is a federal listing of uncontrolled or abandoned hazardous waste sites. The list is created from the CERCLIS database (see below) and is primarily based upon a score that each site or facility receives from the USEPA's Hazard Ranking System. After a site or facility has been identified as a CERCLIS site, the USEPA conducts an assessment of the property. The ranking score associated with the degree of contamination found is one of the determinations made as to whether the site is placed on the NPL. These sites are then prioritized for possible long-term remedial action and referred to the state for further action under state programs. The database search indicated that there are no NPL sites within one mile of the Subject Property.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

The CERCLIS list is a compilation of records from a nationwide database created to maintain and regulate those facilities or sites that the USEPA has investigated or will investigate for suspected or uncontrolled releases of hazardous substances, contaminants or pollutants as reported by states, municipalities, private companies and private citizens under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA or the Superfund Program). Once a site is placed on the CERCLIS list, it may be subjected to several additional levels of evaluation to determine the severity of the contamination. These levels of evaluation range from discovery and preliminary assessment to site inspection, and possibly to the Hazard Ranking System. Such a determination could ultimately place the site under consideration for inclusion on the NPL. Inclusion on the CERCLIS list does not confirm the presence of an environmental problem or a public health threat. Former CERCLIS sites that have been granted the status of No Further Remedial Action Planned (NFRAP) are also included in this database. Neither the Subject Property nor other facilities within a one-half mile radius are listed in the CERCLIS or NFRAP databases.

Resource Conservation and Recovery Information System – Treatment, Storage, or Disposal Facilities (RCRIS TSD)/RCRIS Corrective Action Activity (CORRACTS)

The Resource Conservation and Recovery Act (RCRA) program identifies and tracks hazardous wastes from the point of generation to the point of disposal. The RCRIS database tracks those facilities that treat, store and/or dispose of hazardous materials as defined by RCRA (referred to as TSD facilities). The RCRIS CORRACTS database identifies TSD facilities that have conducted, or are currently conducting, corrective action(s) as regulated under RCRA. Neither the Subject Property nor other facilities within a one half-mile radius are listed in the RCRIS-TSD database or within a one-mile radius in the RCRIS CORRACTS database.

Resource Conservation and Recovery Information System Generators/ Transporters (RCRIS Gen/Trans)

This list includes any operation that generates or transports hazardous waste and that must obtain a hazardous waste generator identification number or transporter permit.

Inclusion on the RCRIS database is not necessarily indicative of contamination; rather, it indicates only the presence of potential sources of contamination.

Twenty two RCRIS generator/transporter facilities were identified within a quarter-mile radius of the Subject Property. A former occupant of the Subject Property, Fast Towing & Auto Repair, is listed in the RCRIS database as being a registered RCRIS hazardous waste generator/transporter facility (Table 1). Because Fast Towing is no longer located at the Subject Property, and because no violations were reported, this is not considered an REC.

The remaining RCRIS generator/transporter facilities are not considered RECs based on their status.

State Inactive Hazardous Waste Sites (SHWS)

The New York State Inactive Hazardous Waste Sites database, compiled by the NYSDEC, maintains information regarding the investigation and cleanup of suspected hazardous waste sites. Neither the Subject Property nor other facilities within a one-mile radius are listed in the SHWS database.

Solid Waste/Landfill Facilities (SWF/LF)

The SW/LF database is a comprehensive listing of state permitted/recorded solid waste facilities. One SWF/LF site was identified within a one-half mile radius of the Subject Property. The identified facility is the former Red Ball Demolition site located at 613 West 29th Street. The Red Ball facility was previously utilized as a solid waste transfer station, which was permanently closed in 1999. However, because the former tenant paved the property prior to the final NYSDEC inspection, the case number associated with the former facility remains open. Based on this site's proximity to the Subject Property (>2,000 feet downgradient), the site is not considered a REC.

New York State Spills Information Database (NY Spills)/Leaking Underground Storage Tanks (LTANKS)

The NY Spills database, including LTANKS sites, was researched to identify listings within one-half mile of the Subject Property. The database identified a total of 54 NY Spills/LTANKS incidents within a one-half mile radius of the Subject Property. Of these, 33 were closed cases and 16 were cross- or downgradient of the Subject Property and are not considered RECs. Of the remaining five open cases, one is the Subject Property and four are either upgradient or in close proximity (adjacent) to the Subject Property. These five are summarized in the table below. See Table 2 for a list of all open NY Spills/LTANK cases.

Listing	Distance/ Direction	Assumed Hydraulic Gradient	Available Data
547 Tenth 95 Avenue	Subject Property	--	Spill Case No. 9503865. Contaminated soil discovered during tank removal at an old gas station on 6/29/95.
Hunter College 450 West 41st Street	200 Feet East	Upgradient	Spill Case No. 9504490. Unknown quantity of No. 6 fuel oil discovered beneath an abandoned UST.
505-509 West 41st Street	400 Feet North-northeast	Upgradient	Spill Case No. 9912551. Spill of an unknown quantity of No. 2 fuel oil on 2/3/00.
575 Tenth Avenue	400 Feet North-northeast	Upgradient	Spill No. 9815316. Construction of a billboard adjacent to a Gaseteria gas station is causing fumes.
West 39th Street & Ninth Avenue	Approx. ¼ mile Southeast	Upgradient	Spill Case No. 8911942. Leak of approximately 200 gallons of No. 2 fuel oil due to a tank failure on 3/16/90.

Based on the distances, assumed hydraulic gradients, and current regulatory status, the first three cases listed above are considered RECs because they have the potential to have impacted soil and/or groundwater at the Subject Property. The remaining two facilities listed are not considered RECs. Although upgradient of the Subject Property, these cases do not involve releases that have the potential to impact the Subject Property based on their distances and/or the significance of the reported spill.

Petroleum/Chemical Bulk Storage Tanks (USTs/ASTs)

The State of New York regulates underground storage tanks (USTs) and above ground storage tanks (ASTs) according to their contents and capacity, as described below.

- **Petroleum Bulk Storage (PBS) Report:** This report is a comprehensive listing of all reported facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.
- **Chemical Bulk Storage (CBS) Report:** This report contains information pertaining to facilities that store hazardous substances in aboveground storage tanks (ASTs) with capacities of 185 gallons or more and underground storage tanks (USTs) of any size.
- **Major Oil Storage Facilities (MOSF) Report:** This report contains summary information on facilities with petroleum storage capacities in excess of 400,000 gallons.

The PBS and CBS databases were researched to identify listings for the Subject Property located within a quarter-mile radius. The PBS database revealed 27 facilities

and the CBS database revealed one facility. No MOSF facilities were identified within one-half mile. Neither the Subject Property nor any adjacent properties were identified on these databases.

Voluntary Cleanup (VCP)

The State Voluntary Cleanup (VCP) Agreements database or Brownfields is a state database that identifies contaminated sites privately funded that are remediated to levels allowing for the site's productive use. No facilities are located within a one-half mile radius of the Subject Property.

Registered Waste Tire Storage and Facility List (SWTIRE)

The Registered Waste Tire Storage and Facility List (SWTIRE) is a state database that identifies registered waste and tire storage facilities. No facilities were identified within a one-half mile radius of the Subject Property.

Registered Recycling Facility List (SWRCY)

The Registered Recycling Facility List (SWRCY) is a state database that identifies registered recycling facilities. No facilities were identified within a one-half mile radius of the Subject Property.

Federal Toxic Chemical Release Inventory System (TRIS)

The Toxic Chemical Release Inventory System (TRIS) is a federal database that identifies toxic chemical release sites located on the Subject Property. No sites were identified on the Subject Property.

Emergency Response Notification System (ERNS)

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The Subject Property is not listed on the ERNS database.

4.2 Agency Correspondence

A review of federal, state, and local records for the Subject Property was accomplished by contacting offices of various regulatory agencies. The results of the review of local records are presented below. Copies of the correspondences are included in *Appendix D.*

United States Department of Environmental Protection (USEPA)

USEPA information concerning the Subject Property was requested in a letter dated September 18, 2003. A response has not yet been received from USEPA.

New York State Department of Environmental Conservation (NYSDEC)

NYSDEC information concerning the Subject Property was requested in a letter dated September 18, 2003. A response has not yet been received from NYSDEC.

Fire Department of the City of New York (FDNY)

FDNY is responsible for the enforcement of local fire codes pertaining to the use and storage of flammable and hazardous materials. FDNY information concerning USTs, sealed or removed underground storage tanks, and history of leaks at the Subject Property was requested in a record search form dated September 18, 2003. In a response dated October 7, 2003, FDNY stated there was no record of the Subject Property.

New York City Department of Health (NYCDOH)

The NYCDOH, Office of Environmental Investigations (OEI) maintains files of health related environmental incidents in the City of New York. These incidents may include spills of hazardous chemicals, citizen's complaints regarding asbestos issues, or reports of chemical odors or fumes. NYCDOH information concerning the Subject Property was requested in a letter dated September 18, 2003. A response has not yet been received from NYCDOH.

New York City Department of Environmental Protection (NYCDEP)

The NYCDEP maintains files of incidents involving environmentally regulated materials. The records maintained by NYCDEP include reports of spills of hazardous chemicals and citizen's complaints on environmental issues. NYCDEP information concerning the Subject Property was requested in a letter dated September 18, 2003. A response has not yet been received from NYCDEP.

5.0 SITE INSPECTION

An inspection of the Subject Property was conducted on September 25, 2003 by Mr. Donald Ehrenbeck of The PB Team, accompanied by a representative of NYCT.

The Subject Property, currently used as a commercial truck and van rental facility, is an approximately 17,875-square foot lot paved with asphalt. The Subject Property is bound on all sides by a chain-link fence. A church is located adjacent to the Subject Property to the west and a staging area for construction equipment is located to the south, across West 40th Street. The Victory Building, a residential high-rise, is located to the north, across West 41st Street and Covenant House, a private childcare facility, is located to the east, across Tenth Avenue.

The northern half of the Subject Property is occupied by a single-story concrete block structure with two bay doors. The building is similar in design to a gas station building, which is consistent with the Sanborn map review, which notes the presence of a gas station on the site from at least 1950 to 1996. The building is utilized as the offices of Courier Car Rentals, Inc. According to an employee, the building is heated by electric baseboards and no vehicle fueling is performed onsite. The former garage area of the building is utilized for storage. No automobile lifts were observed in this area.

South of the building, the area is paved and occupied by a billboard. In the vicinity of the billboard and slightly to the north, the remains of a building foundation are visible protruding from the asphalt. This observation is consistent with the Sanborn map review, which notes the presence of an automobile repair garage until approximately 1996. The southern half of the Subject Property is paved and used for vehicle parking.

No evidence of fill and vent pipes associated with USTs was observed on the Subject Property or surrounding sidewalks. Minor pavement staining, typical of parking lots, was observed in various locations. This staining is considered a *de minimus* condition. No other evidence of contamination was observed, and no RECs were identified during the site inspection.

6.0 INTERVIEWS

The PB Team interviewed a representative of the owner of the Subject Property, Mr. Gary Greene, on September 25, 2003. Mr. Greene assists in property management affairs for the owner, Ms. Lillian Goldman. He stated that the property was acquired through a foreclosure several years ago and that he had no first-hand knowledge of the site.

7.0 FINDINGS

The PB Team has performed a Phase I ESA of the property located at 537-547 Tenth Avenue in the Borough of Manhattan, New York. The ESA conforms to the American Society for Testing and Materials (ASTM) *Standard Practice for Phase I Environmental Site Assessments* (E 1527-00). The Phase I ESA included a site inspection, a review of the site history and a public records search.

7.1 On-Site Conditions

Based on the review of historical fire insurance maps, the Subject Property was developed with several buildings in 1930, among which was one that was labelled as a "Chinese Laundry". From at least 1950 to 1996, the Subject Property was occupied by a gas station. From at least 1990 to 1996, an automobile repair garage was also present. The Subject Property is also an active NY Spills/LTANKS location. The historical use of the Subject Property as a "Chinese Laundry", a gas station and an automobile repair garage; and its status as an active NY Spills/LTANKS location, are identified as RECs.

7.2 Off-Site Conditions

The historical uses of several properties located in the vicinity of the Subject Property are considered RECs:

- A coal yard was located adjacent to the west of the Subject Property in1890.
- A piano factory was located adjacent to the east of the Subject Property in1911.
- A gas station was located adjacent to the east of the Subject Property in 1930.
- Two gas stations were located adjacent to the east of the Subject Property in 1950, a bus terminal was located 150 feet northeast, and a coal yard was located 200 feet northeast.

Two active NY Spills/LTANKS locations in the vicinity of the Subject Property are considered RECs and are listed below:

- 450 West 41st Street
- 505-509 West 41st Street

These active spills defined as RECs are located within 400 feet of the Subject Property. Both involved the release of an unknown quantity of fuel oil. Based on the absence of adequate remediation data or definitive boundaries of possible contamination, these spill locations are considered RECs.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The PB Team performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-00. The assessment identified several RECs both on and in the vicinity of the Subject Property. RECs identified on the Subject Property include an open NY Spills/LTANKS case and its historical use as a Chinese Laundry, a gas station and an automobile repair garage. Those identified in the vicinity of the Subject Property include two open NY Spills/LTANKS cases and historical land uses.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude use of the Subject Property as part of the No. 7 Subway Extension in conjunction with the Hudson Yards Rezoning and Development Program. However, the PB Team recommends that a program of subsurface sampling and laboratory analysis be undertaken to determine if releases associated with the historical land uses and three open NY Spills/LTANKS cases have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

9.0 LIMITATIONS

PHASE I ESA FOR 537-547 TENTH AVENUE – NEW YORK, NY

This investigation was limited to the review of available records, interviews with available on-site personnel and local officials, and an on-site inspection. The site inspection was limited to observation of surficial conditions only. Such an inspection cannot be expected to reveal all hazardous materials or situations that might be present on site; some hazardous materials or conditions may exist and not be detected because they are beyond the scope of this study. The investigation was conducted in a manner consistent with the level of care and skill exercised by environmental professionals currently practicing under similar conditions and was based on information made available to the representatives of The PB Team. All documents prepared by or furnished by The PB Team pursuant to this project are to be used in the context of the scope of services contracted. This document is not intended or represented to be suitable for reuse by the client or others on modifications of the project scope. Reuse or release to third parties without the expressed written permission of the consultant is prohibited.

PREPARED BY: _____

Donald E. Ehrenbeck, AICP, P.P.
Principal Planner

REVIEWED BY: _____

John G. Plevniak, P.G.

DATE: _____

10.0 REFERENCES

Persons Interviewed:

- Gary Greene, Representative of Subject Property Owner
  Solil Management Corporation, September 25, 2003.

Resources Consulted:

- American Society for Testing and Materials (ASTM) 1997, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM Designation E 1527-00.
- Baskerville, C.A., *Geology and Engineering Geology of the New York Metropolitan Area*, 1989.
- Environmental Data Resources, Inc. (EDR), Radius Map Report, *Corridor Study, 7th Avenue Subway Extension, New York, NY.* August 22, 2003.
- EDR, *Sanborn Fire Insurance Maps*. 1890, 1899, 1911, 1930, 1950, 1979 and 1996.
- Federal Emergency Management Agency, *Q3Digital Flood Data, New York County, New York*. October 21, 2003.
- New York State Department of Environmental Conservation, New York County, Map 2 of 4, *Central Park Quadrangle*, New York State Department of Transportation, Second Edition, 1975.
- Perlmutter, N. and Arnow, T. *Ground Water in Bronx, New York and Richmond Counties with Summary Data on Kings and Queens Counties, New York City, New York*. 1953.
- United States Department of Agriculture, Natural Resources Conservation Service, *New York City Soil Survey*, 2003.
- United States Department of the Interior, U.S. Geological Survey, Topographic Map, 7.5 Minute Series, *Central Park, NJ - NY*, 1995.

Regulatory Agencies Contacted:

- Fire Department of the City of New York, September 18, 2003.
- New York City Department of Buildings, *Building Information System*, http://webapps.nyc.gov:8082/bisweb/bsqpm01.jsp, October 21, 2003.
- New York City Department of Environmental Protection, September 18, 2003.
- New York City Department of Finance, September 18, 2003.
- New York City Department of Health, September 18, 2003.

CHAMPION COURIER, INC.
PO BOX 1196
NEW YORK, NY 10018-9998
(212) 366-1800

*** REPRINT ***

Invoice No.	Customer No.
182358	2355
Invc Date	Total Due
11/24/06	30.00
Current	Over 30 Days
30.00	
Over 60 Days	Over 90 Days

SHELDRAKE ORGANIZATION
Attn: JENNIFER GARNER
400 GARDEN CITY PLAZA
SUITE 440
GARDEN CITY, NY 11530

TAX ID: 13-3576980

Customer No.	Invoice No.	Period Ending	Amount Due	Pg
2355	182358	1/24/07	30.00	1

Service Detail

Date	Ordr No.	Svc				Charges	Total
10/30/06	1586168	NS	SHELDRAKE ORGANIZATION 708 3RD AVE NEW YORK NY Caller: JENNIFER TIME: 10:18 Signed: O KALI	MUSEUM OF MODERN ARTS 11 W 53RD ST NEW YORK NY Wght: 1 Lbs PIECES: 1	BASE :	7.50	7.50
11/13/06	1593416	NS	SHELDRAKE ORGANIZATION 708 3RD AVE NEW YORK NY Caller: JENNA TIME: 11:19 Signed: VALENTIN	TROUTMAN SANDERS 405 LEXINGTON AVE NEW YORK NY Wght: 1 Lbs PIECES: 1	BASE :	7.50	7.50
11/20/06	1593986	NS	SHELDRAKE ORGANIZATION 708 3RD AVE NEW YORK NY Caller: JENNIFER TIME: 10:46 Signed: TOMPKINS	ANDERSON KILL 1251 AVENUE OF THE AMERICAS NEW YORK NY Wght: 1 Lbs PIECES: 1	BASE :	7.50	7.50
11/21/06	1597842	NS	SHELDRAKE ORGANIZATION 708 3RD AVE NEW YORK NY Caller: JENNA TIME: 15:34 Signed: CHARLES GIAIA	WINDEL MARKS 156 W 56TH ST NEW YORK NY	BASE :	7.50	7.50

Total Charges for Ref. - : 30.00

*** REPRINT ***

Total 30.00

- New York State Department of Environmental Conservation, September 18, 2003.
- United States Environmental Protection Agency, September 18, 2003.

TABLES

TABLE 1
RCRIS LIST

Listing	Distance/ Direction	Assumed Hydraulic Gradient	Status/Available Data
Fast Towing & Auto Repair 547 10th Avenue	Subject Property	–	ID No. NYR000009746. Small Quantity Generator Facility. No violations reported.

TABLE 2
SPILLS INFORMATION DATABASE

Listing	Distance/ Direction	Assumed Hydraulic Gradient	Status/Available Data
547 Tenth 95 Avenue	Subject Property	–	Spill Case No. 9503865. Contaminated soil discovered during tank removal at an old gas station on 6/29/95.
Hunter College 450 West 41st Street	200 Feet East	Upgradient	Spill Case No. 9504490. Unknown quantity of No. 6 fuel oil discovered beneath an abandoned UST.
ConEd Substation 521 West 41st Street	300 Feet Northwest	Downgradient	Spill Case No. 9602497. Pressure-relief valve opened, causing the release of an unknown amount of transformer oil on 5/22/96.
42nd Street Substation 521 West 41st Street	300 Feet Northwest	Downgradient	Spill Case No. 0108476. Spill of approximately one gallon of dielectric fluid on 11/21/01.
42nd Street Substation 521 West 41st Street	300 Feet Northwest	Downgradient	Spill Case No. 9910773. Spill of approximately 25 gallons of transformer oil on 12/9/99.
42nd Street Substation 521 West 41st Street	300 Feet Northwest	Downgradient	Spill Case No. 0109595. Spill of approximately one pint of dielectric fluid on 1/3/02.
42nd Street Substation 521 West 41st Street	300 Feet Northwest	Downgradient	Spill Case No. 0100034. Leaking bushing caused a spill of an unknown quantity of transformer oil on 4/2/01.
Transformer No. 10 42nd Street Substation 521 West 41st Street	300 Feet Northwest	Downgradient	Spill Case No. 9613726. Spill of an unknown quantity of transformer oil on 9/22/97.
Transformer No. 4 42nd Street Substation 521 West 41st Street	300 Feet Northwest	Downgradient	Spill Case No. 9914329. Spill of an unknown quantity of dielectric fluid on 3/20/00.
SB 07384 515 West 39th Street	400 Feet South	Downgradient	Spill Case No. 9901320. Approximately two gallons of unknown oil on 300 gallons of water contained in a service box on 5/4/99.
505-509 West 41st Street	400 Feet North-northeast	Upgradient	Spill Case No. 9912551. Spill of an unknown quantity of No. 2 fuel oil on 2/3/00.
575 Tenth Avenue	400 Feet North-northeast	Upgradient	Spill No. 9815316. Construction of a billboard adjacent to a Gaseteria gas station is causing fumes.
Manhole No. 43269 West 42nd Street & Tenth Avenue	500 Feet North	Crossgradient	Spill Case No. 0005844. Spill of approximately one gallon of an unknown liquid on 8/15/00.
Hertz/Penske 493 Tenth Avenue	Approx. ? mile South	Crossgradient	Spill Case No. 8906443. Unknown amount of petroleum-contaminated soil discovered beneath a UST on 12/12/89.
550 West 37th Street	Between ? mile and ¼	Downgradient	Spill Case No. 0010648. Unknown amount of petroleum-contaminated

Listing	Distance/ Direction	Assumed Hydraulic Gradient	Status/Available Data
	mile South		soil discovered during a UST removal on 12/22/00.
Verizon 605 West 42nd Street	Between ? mile and ¼ mile Northwest	Downgradient	Spill Case No. 0103392. Spill of approximately 20 gallons of gasoline due to a motor vehicle tank overfill on 6/28/01.
West 39th Street & Ninth Avenue	Approx. ¼ mile Southeast	Upgradient	Spill Case No. 8911942. Leak of approximately 200 gallons of No. 2 fuel oil due to a tank failure on 3/16/90.
A. B. Scheumann Lumber/Four B Realty 524 West 36th Street	Approx. ¼ mile South	Downgradient	Spill Case No. 9510491. Soil contamination resulting from tank overfills over a 10-year period.
Gaseteria 466 Tenth Avenue	Approx. ¼ Mile South	Crossgradient	Spill Case No. 9606785. Gasoline odor from gas station reported on 8/27/96.
Former Greyhound Bus Terminal 523 Eleventh Avenue	Between ? mile and ¼ mile West	Downgradient	Spill Case No. 8904384. Oil-contaminated soils and groundwater discovered on 8/2/89.
538 West 34th Street	Between ¼ mile and ½ mile South	Crossgradient	Spill Case No. 9000078. Unknown amount of petroleum-contaminated soil discovered during a UST closure on 3/14/90.

FIGURES

The Louis Berger Group, Inc.
20 Exchange Place
New York, NY 10005

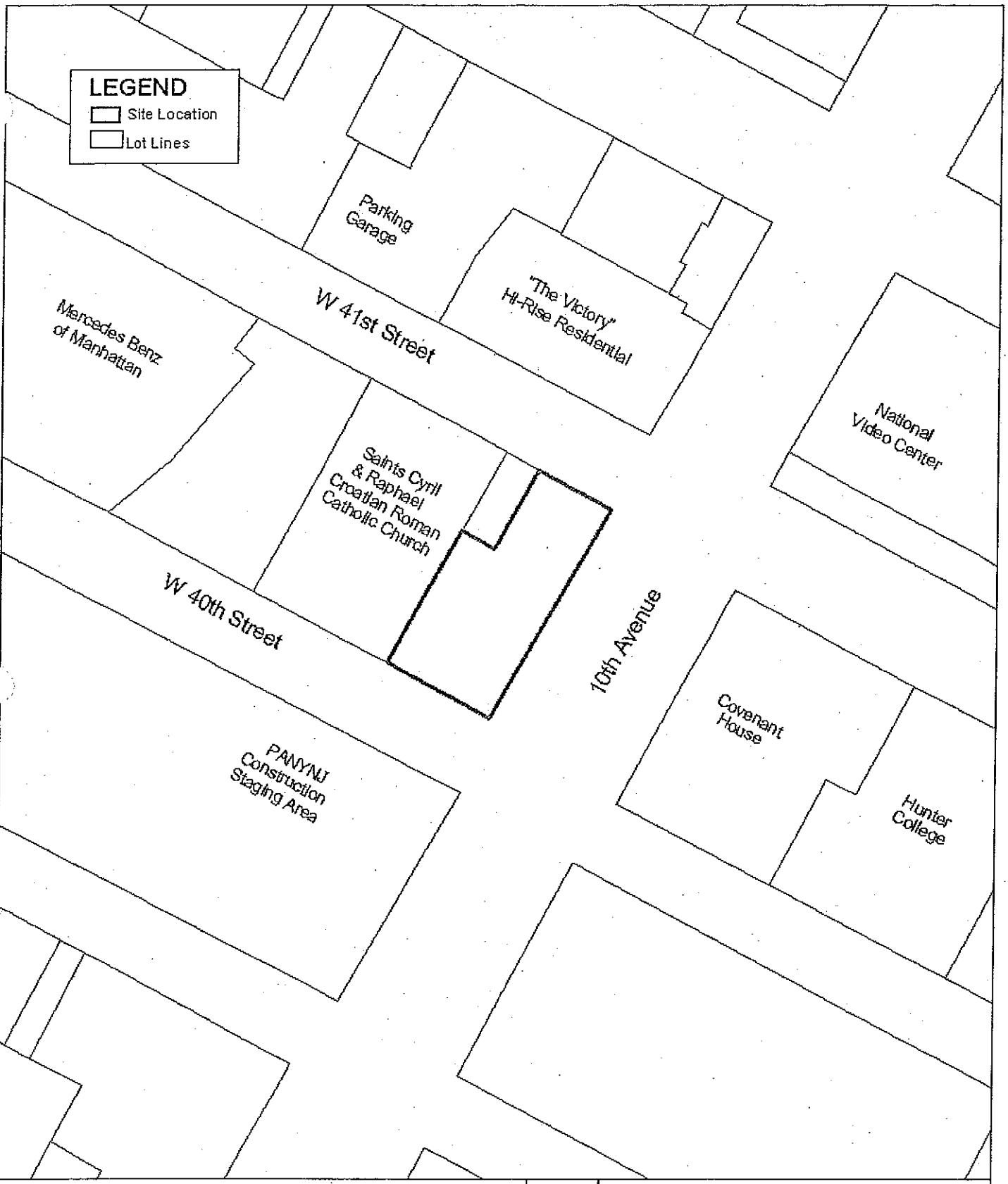
N

Figure 1
Site Location Map
Block 1069, Lots 29 & 34
537 - 547 10th Avenue
New York, NY

Source: USGS 7.5 Minute Topographic Maps,
Weehawkin and Jersey City, NJ and
Central Park and Brooklyn, NY Quadrangles.

Scale 1" = 1000 ft

Date: 11/03



The Louis Berger Group, Inc.
20 Exchange Place
New York, NY 10005

N

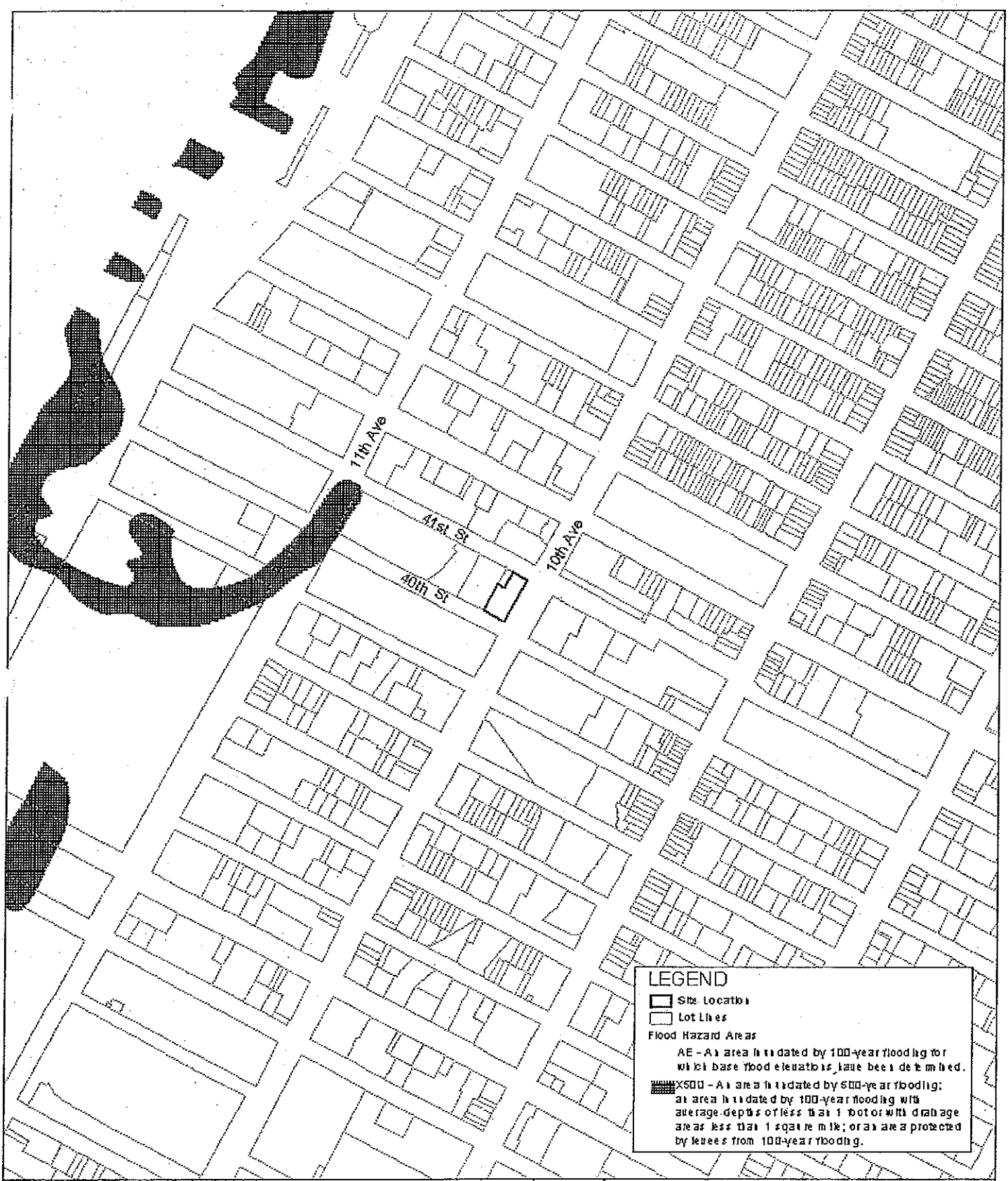
Figure 2
Site Plan

Block 1069, Lots 29 & 34
537 - 547 10th Avenue
New York, NY

Source: Lot Lines - NY City Planning.
The Louis Berger Group, Inc. 2003.

Scale 1" = 100 ft

Date: 11/03



The Louis Berger Group, Inc.
20 Exchange Place
New York, NY 10005

N

Source: FEMA Q3 Flood Data, New York County, 1996.
Lot Lines - NY City Planning.

Figure 3
Flood Hazard Map
Block 1069, Lots 29 & 34
537 - 547 10th Avenue
New York, NY

Scale 1" = 500 ft | Date: 11/03

APPENDICES

Appendix A: Site Photographs

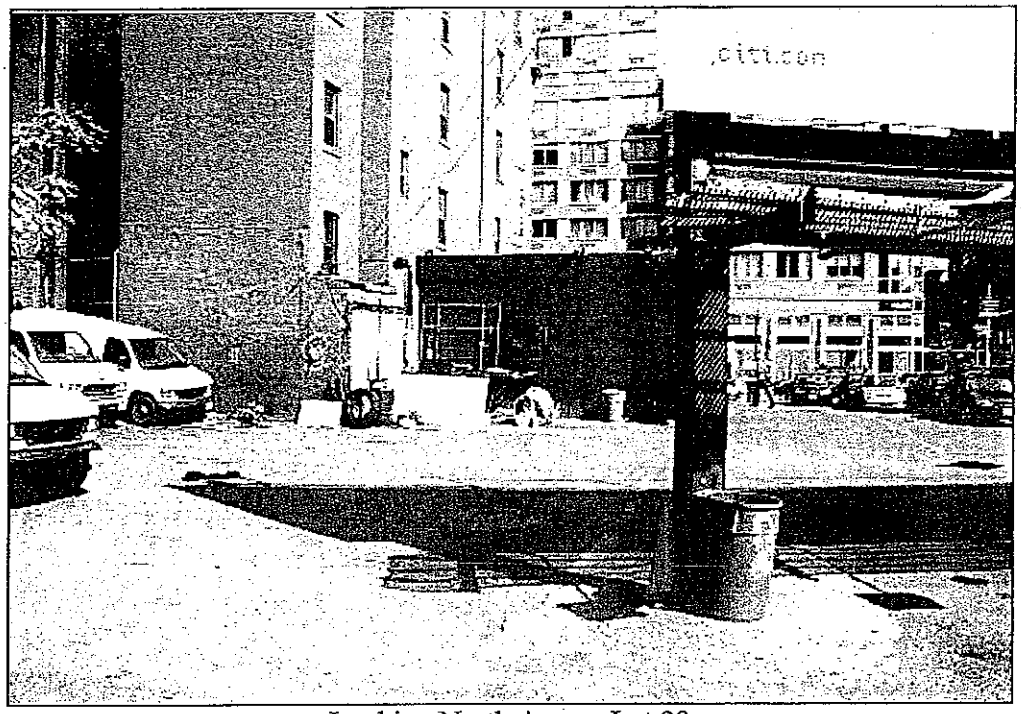
Appendix B: Sanborn Fire Insurance Maps

Appendix C: Regulatory Agency Database Report

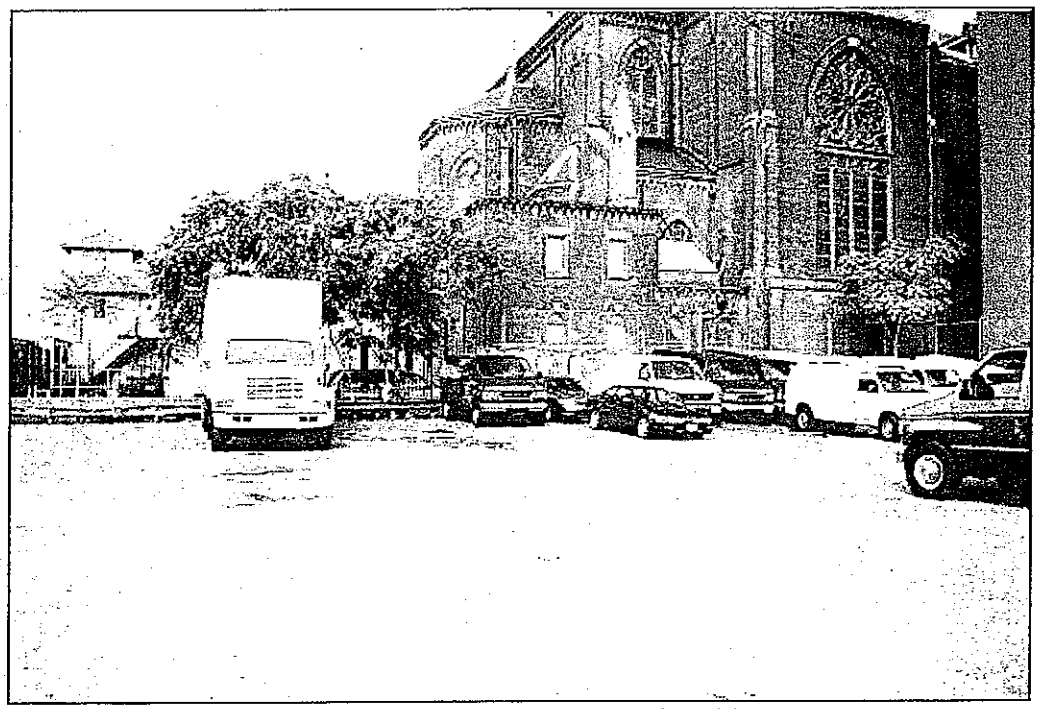
Appendix D: Agency Correspondence

APPENDIX A

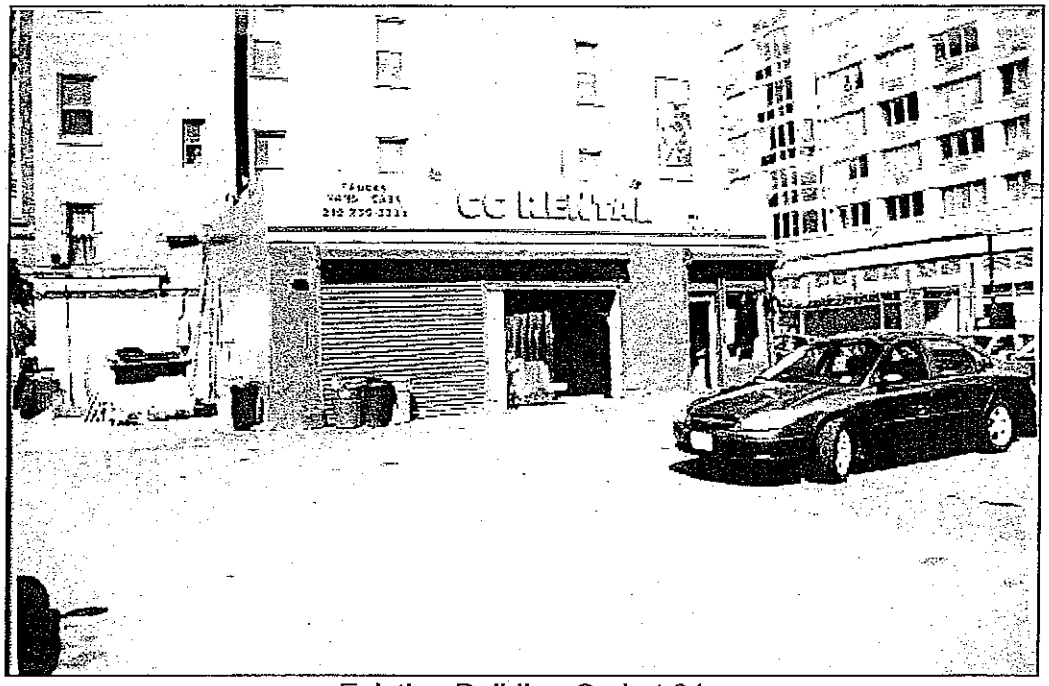
SITE PHOTOGRAPHS



Looking North Across Lot 29

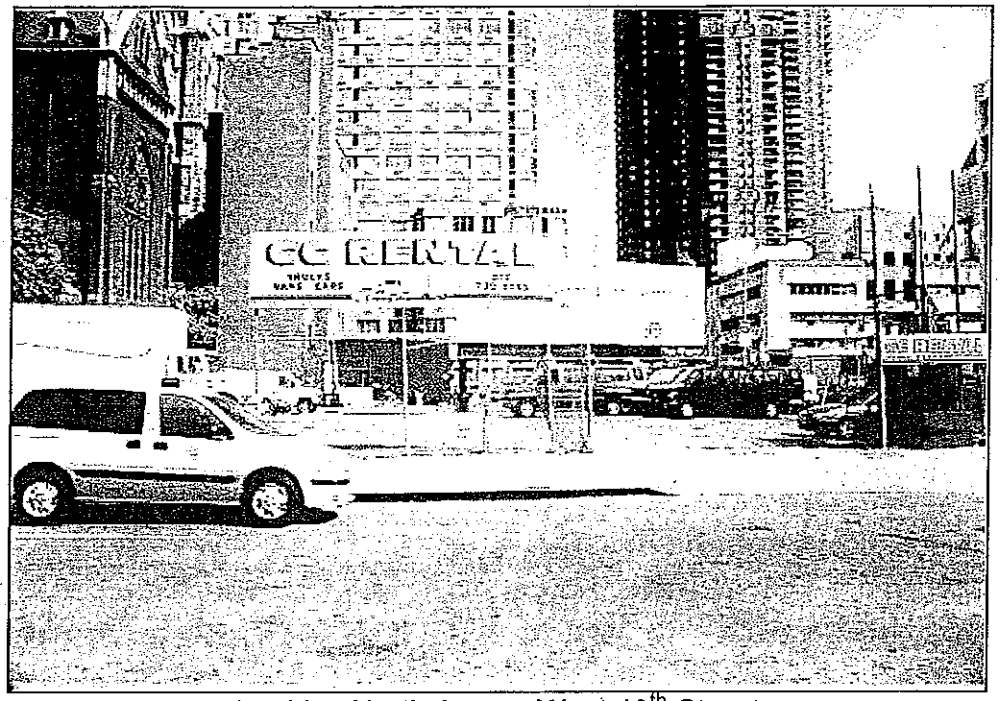


Looking Northwest Across Lot 29

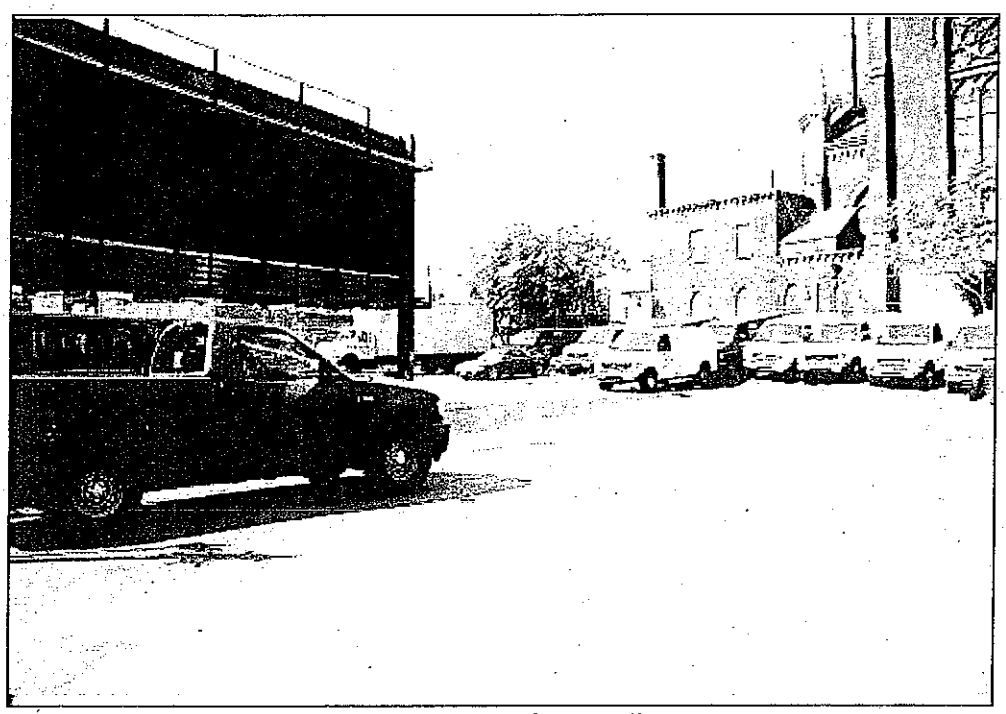


Existing Building On Lot 34

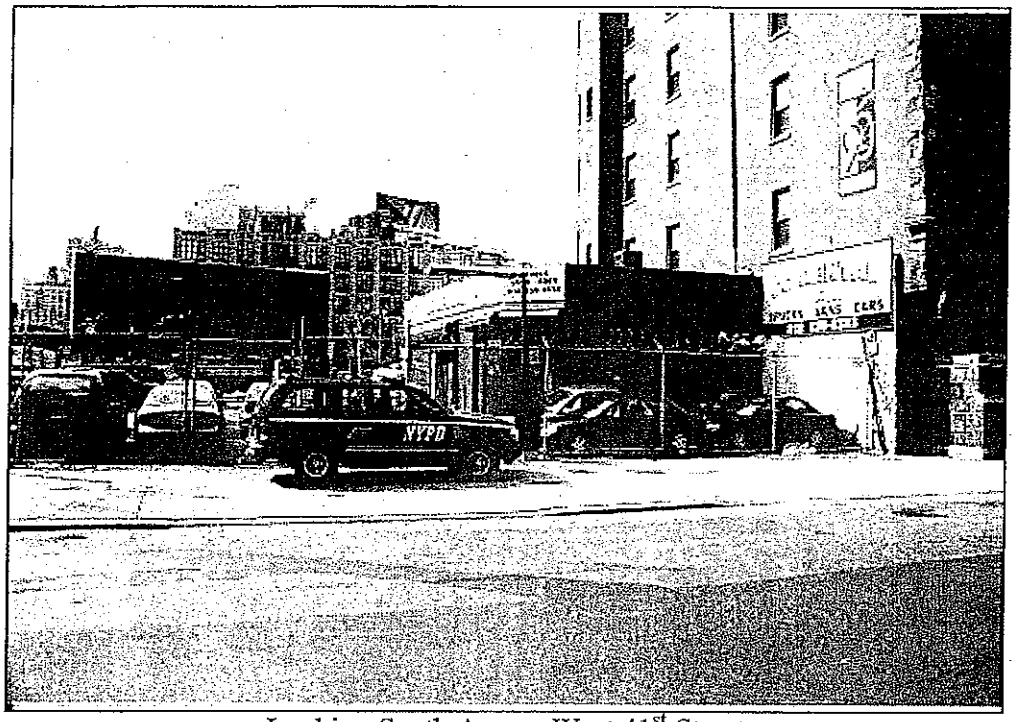
Looking West Across Lot 29



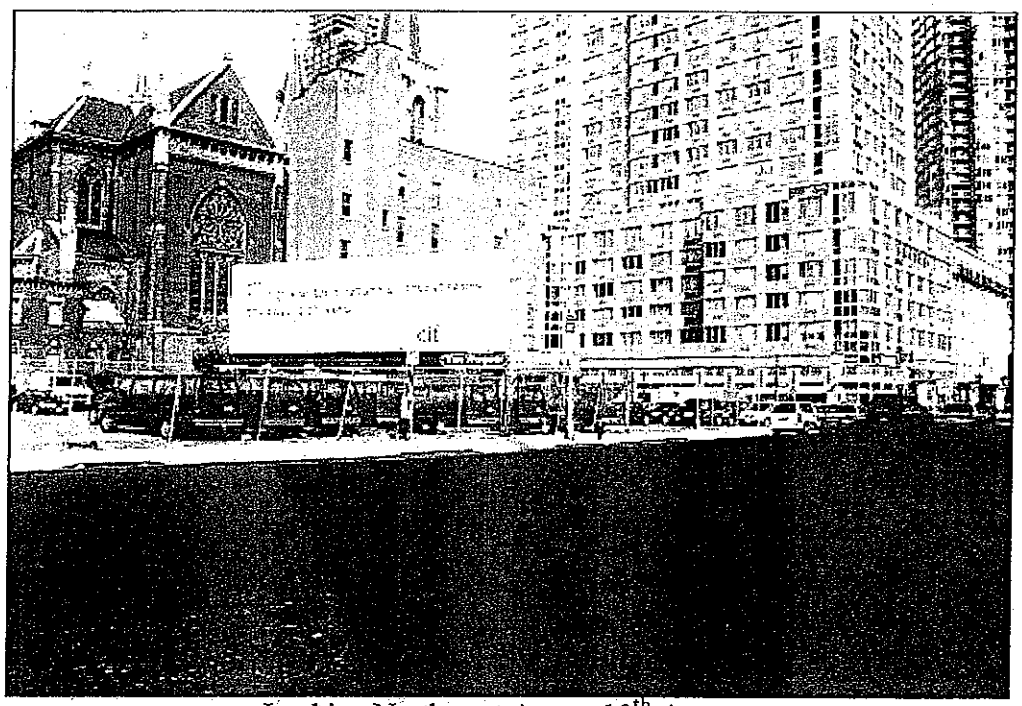
Looking North Across West 40th Street



Looking Southwest Across Property



Looking South Across West 41st Street



Looking Northwest Across 10th Avenue

APPENDIX B

SANBORN FIRE INSURANCE MAPS

SANBORN MAP REVIEW

Year	Comments
1890	**Subject Property:** The Subject Property appears to be part of a ***foundry***, the "***J.B. & J.M Cornell's Iron Works***". **Surrounding Properties:** To the east and south the adjoining properties also appear to be part of the ***foundry***. Properties to the north, beyond West 26th Street, appear to be a marble works and a ***brass and bronze works***. The adjoining property to the west appears to be a lumber yard.
1899	**Subject Property:** The Subject Property appears unchanged from the 1890 map. **Surrounding Properties:** Surrounding properties all appear unchanged from the 1890 map.
1911	**Subject Property:** The Subject Property appears occupied by a ***junkyard***. **Surrounding Properties:** To the east, the adjoining property appears to be occupied by the "Knickerbocker Ice Company." To the south, the adjoining properties appear to be occupied by a 3-story building labeled "***Standard Oil Co, Polarine Oil Storage***" and a building labeled as an "***automobile garage***." East of this structure is a property labeled as a "***tin foil factory***." Two properties to the north, beyond West 26th Street, appear to be a vacant lot and a 6-story structure of unknown occupancy. The property to the west appears unchanged from the 1890 map.
1930	**Subject Property:** The Subject Property appears occupied by a structure labeled "Building Materials". **Surrounding Properties:** To the east is a structure labeled as a "***Garage***" containing "***2 550-gallon gasol tanks buried***". Beyond the garage is a structure labeled "***Printing and Bookbinding***" that contains "***2 8,000-gallon press and 1 30,000-gallon gravity tanks***" and "***9,000-gallon press and 11,000-gallon gravity tanks***". To the south, the 1911 Standard Oil building, while remaining, is labeled as "Vacant". East of the Standard Oil building, the former automobile garage now contains a "***Copper Warehouse***" and a dairy with "***1 550-gallon gasol tank buried***". The tin foil factory is still present. To the north, beyond West 26th Street, the 6-story structure is labeled as having a garage on the 1st floor and "***2 550-gallon gasol tanks buried***" as well as a "***12,000-gallon gravity tank***". The formerly vacant property appears to be occupied by a 7-story commercial building. The southeast corner of this structure is labeled "***Garage***" with "***2 275-gallon gasol tanks Bas***". The northwest corner of this structure is labeled "***1 30,000-gallon gravity tank***". The property adjacent to the west appears unchanged from the 1890 map.
1950	**Subject Property:** The Subject Property appears unchanged from the 1930 map. **Surrounding Properties:** For properties to the east, details are unreadable due to the quality of the map reproduction. Properties to the south appear unchanged from the 1930 map, except that the vacant Standard Oil building is labeled "W Ho Electric Supplies" and the former tin factory is labeled "HQ & Offices Photograph Records". The properties to the north, beyond West 26th Street, and west appear unchanged from the 1930 map.
1976	**Subject Property:** The Subject Property appears to be vacant. **Surrounding Properties:** Properties to the east appear unchanged from the 1930 map. To the south, the former Standard Oil building is now labeled "Paper Products". East of this, the former copper warehouse appears to be a garage. The properties to the north, beyond West 26th Street, appear unchanged from the 1930 and 1950 maps. The property to the west appears to be vacant, undeveloped land.
1980	**Subject Property:** The Subject Property appears to be occupied by a one-story concrete block building and is labeled as "***Truck Rental***" and "Trailer Parking". **Surrounding Properties:** Properties to the east appear unchanged from the 1976 map. To the south, properties appear unchanged from the 1976 map, with the exception of the former paper products building, which is now of unknown occupancy. The properties to the north, beyond West 26th Street, appear unchanged from the 1976 map. The property to the west appears unchanged from the 1976 map.

Year	Comments
1985	**Subject Property:** The one-story building now has an addition, otherwise the Subject Property appears unchanged from the 1980 map. **Surrounding Properties:** Properties to the east, south, north and west appear unchanged from the 1980 map, with one exception. The garage to the north, beyond West 26th Street, is now labeled as "***Auto Repair***".
1988	**Subject Property:** The Subject Property appears unchanged from the 1985 map. **Surrounding Properties:** Properties to the east, south, north and west appear unchanged from the 1980 map.
1992 - 1996	**Subject Property:** The Subject Property appears to be used for "Truck Parking". **Surrounding Properties:** Properties to the east, south, north and west appear unchanged from the 1988 map.

APPENDIX C

REGULATORY AGENCY DATABASE REPORT

APPENDIX D

AGENCY CORRESPONDENCE

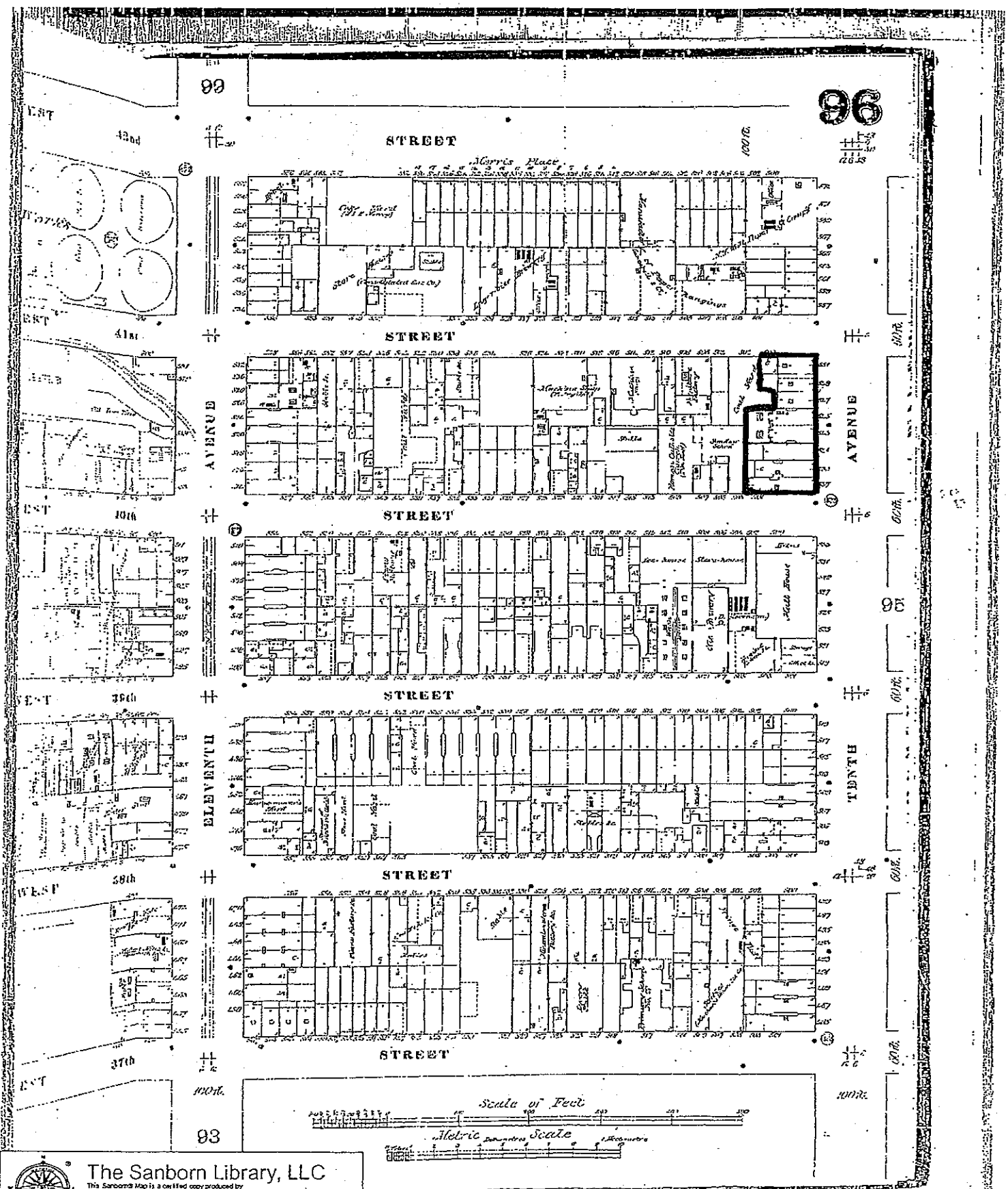
APPENDIX B

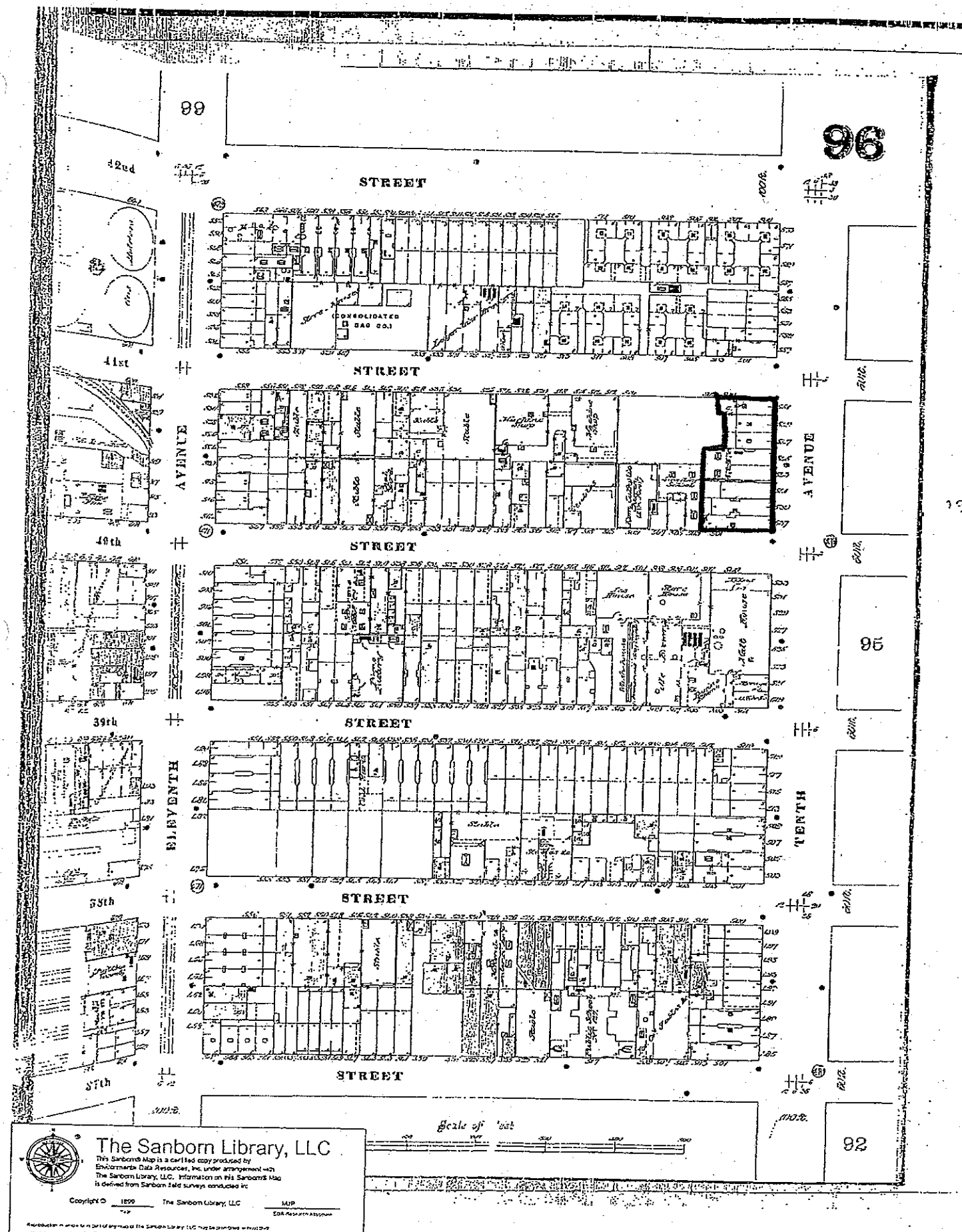
SANBORN FIRE INSURANCE MAPS

SANBORN MAP REVIEW

Year	Comments
1890	**Subject Property:** The Subject Property appears to be part of a ***foundry***, the "***J.B. & J.M Cornell's Iron Works***". **Surrounding Properties:** To the east and south the adjoining properties also appear to be part of the ***foundry***. Properties to the north, beyond West 26th Street, appear to be a marble works and a ***brass and bronze works***. The adjoining property to the west appears to be a lumber yard.
1899	**Subject Property:** The Subject Property appears unchanged from the 1890 map. **Surrounding Properties:** Surrounding properties all appear unchanged from the 1890 map.
1911	**Subject Property:** The Subject Property appears occupied by a ***junkyard***. **Surrounding Properties:** To the east, the adjoining property appears to be occupied by the "Knickerbocker Ice Company." To the south, the adjoining properties appear to be occupied by a 3-story building labeled "***Standard Oil Co, Polarine Oil Storage***" and a building labeled as an "***automobile garage.***" East of this structure is a property labeled as a "***tin foil factory.***" Two properties to the north, beyond West 26th Street, appear to be a vacant lot and a 6-story structure of unknown occupancy. The property to the west appears unchanged from the 1890 map.
1930	**Subject Property:** The Subject Property appears occupied by a structure labeled "Building Materials". **Surrounding Properties:** To the east is a structure labeled as a "***Garage***" containing "***2 550-gallon gasol tanks buried***". Beyond the garage is a structure labeled "***Printing and Bookbinding***" that contains "***2 8,000-gallon press and 1 30,000-gallon gravity tanks***" and "***9,000-gallon press and 11,000-gallon gravity tanks***". To the south, the 1911 Standard Oil building, while remaining, is labeled as "Vacant". East of the Standard Oil building, the former automobile garage now contains a "***Copper Warehouse***" and a dairy with "***1 550-gallon gasol tank buried***". The tin foil factory is still present. To the north, beyond West 26th Street, the 6-story structure is labeled as having a garage on the 1st floor and "***2 550-gallon gasol tanks buried***" as well as a "***12,000-gallon gravity tank***". The formerly vacant property appears to be occupied by a 7-story commercial building. The southeast corner of this structure is labeled "***Garage***" with "***2 275-gallon gasol tanks Bas***". The northwest corner of this structure is labeled "***1 30,000-gallon gravity tank***". The property adjacent to the west appears unchanged from the 1890 map.
1950	**Subject Property:** The Subject Property appears unchanged from the 1930 map. **Surrounding Properties:** For properties to the east, details are unreadable due to the quality of the map reproduction. Properties to the south appear unchanged from the 1930 map, except that the vacant Standard Oil building is labeled "W Ho Electric Supplies" and the former tin factory is labeled "HQ & Offices Photograph Records". The properties to the north, beyond West 26th Street, and west appear unchanged from the 1930 map.
1976	**Subject Property:** The Subject Property appears to be vacant. **Surrounding Properties:** Properties to the east appear unchanged from the 1930 map. To the south, the former Standard Oil building is now labeled "Paper Products". East of this, the former copper warehouse appears to be a garage. The properties to the north, beyond West 26th Street, appear unchanged from the 1930 and 1950 maps. The property to the west appears to be vacant, undeveloped land.
1980	**Subject Property:** The Subject Property appears to be occupied by a one-story concrete block building and is labeled as "***Truck Rental***" and "Trailer Parking". **Surrounding Properties:** Properties to the east appear unchanged from the 1976 map. To the south, properties appear unchanged from the 1976 map, with the exception of the former paper products building, which is now of unknown occupancy. The properties to the north, beyond West 26th Street, appear unchanged from the 1976 map. The property to the west appears unchanged from the 1976 map.

Year	Comments
1985	**Subject Property:** The one-story building now has an addition, otherwise the Subject Property appears unchanged from the 1980 map. **Surrounding Properties:** Properties to the east, south, north and west appear unchanged from the 1980 map, with one exception. The garage to the north, beyond West 26th Street, is now labeled as "***Auto Repair***".
1988	**Subject Property:** The Subject Property appears unchanged from the 1985 map. **Surrounding Properties:** Properties to the east, south, north and west appear unchanged from the 1980 map.
1992 - 1996	**Subject Property:** The Subject Property appears to be used for "Truck Parking". **Surrounding Properties:** Properties to the east, south, north and west appear unchanged from the 1988 map.

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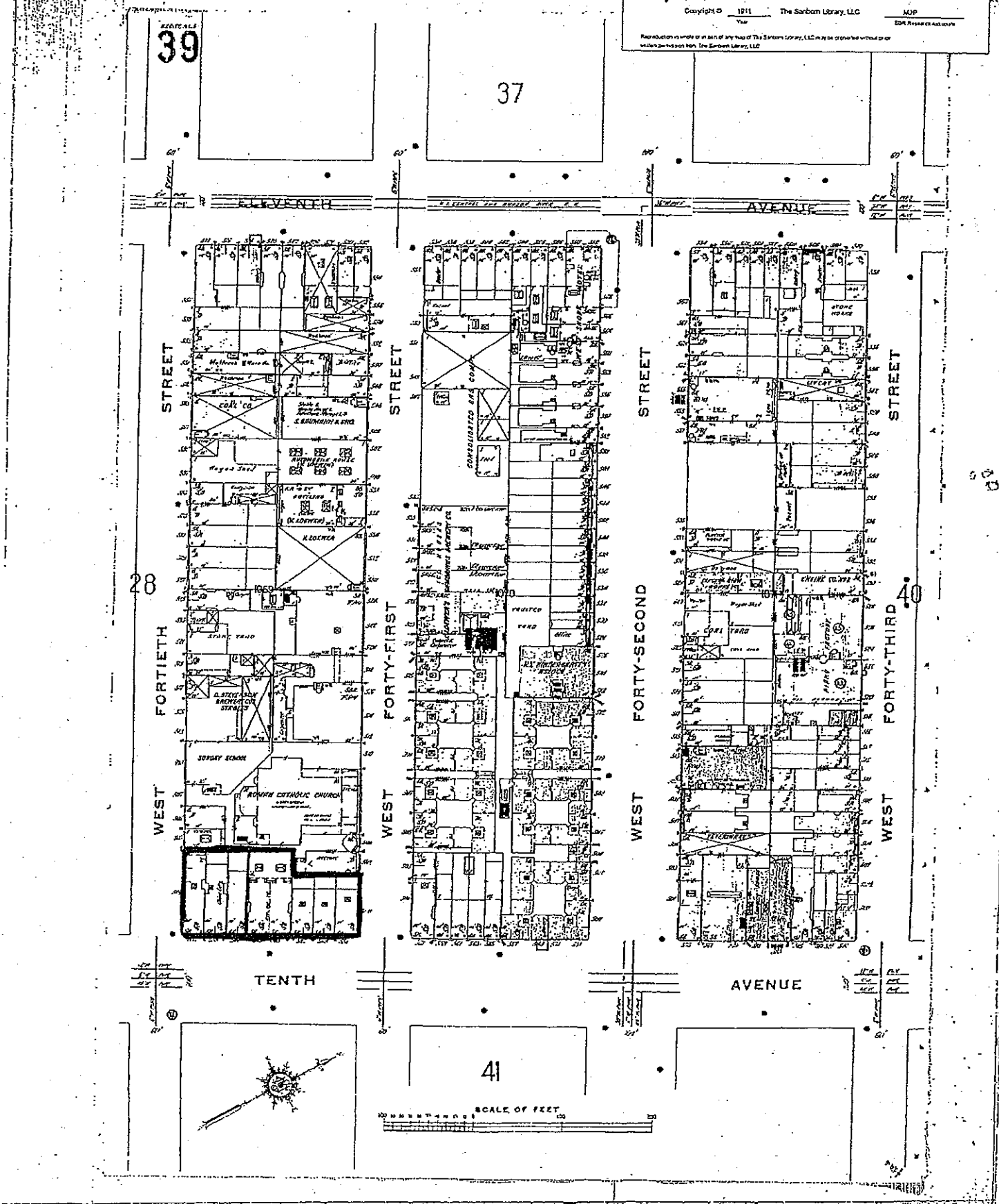

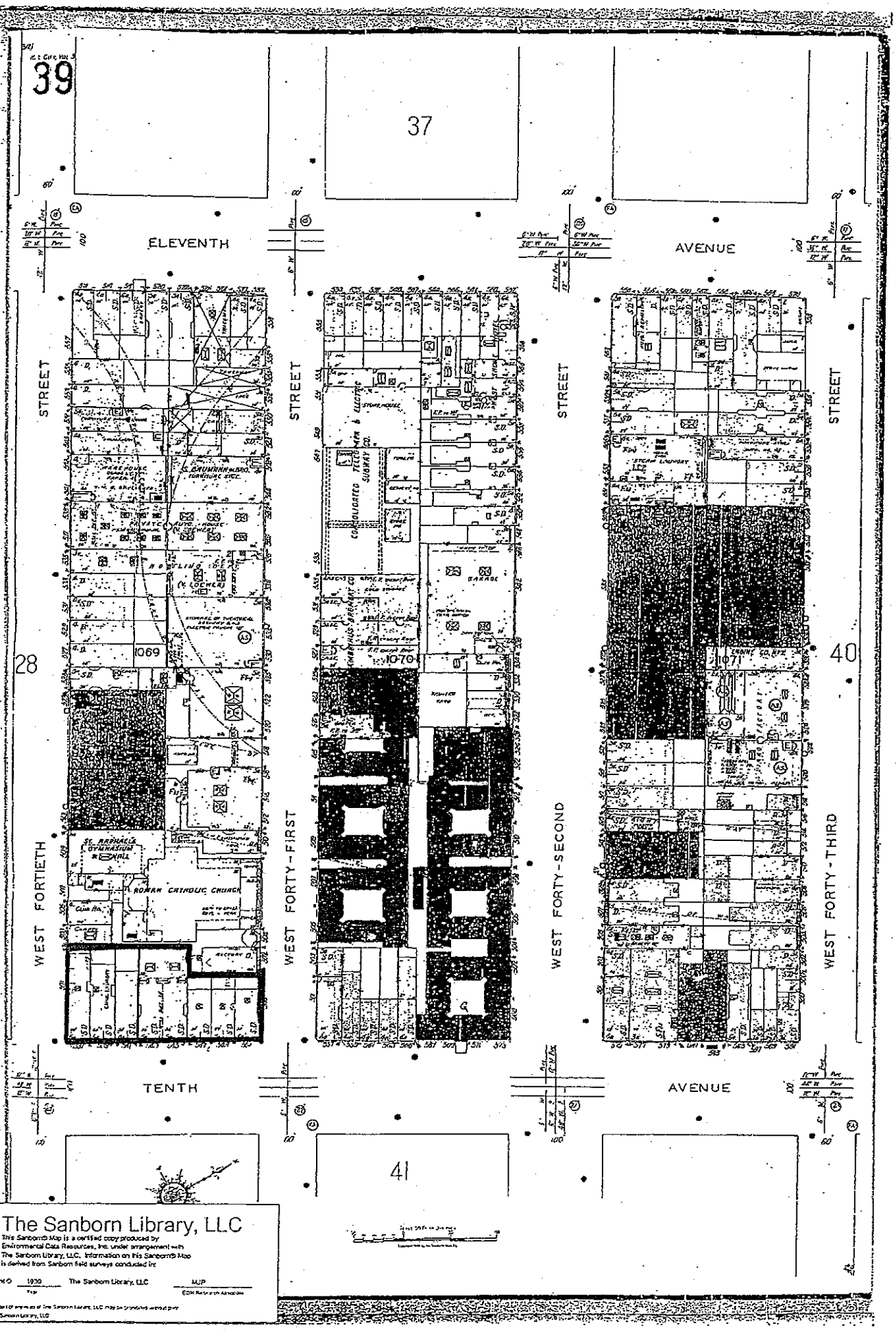

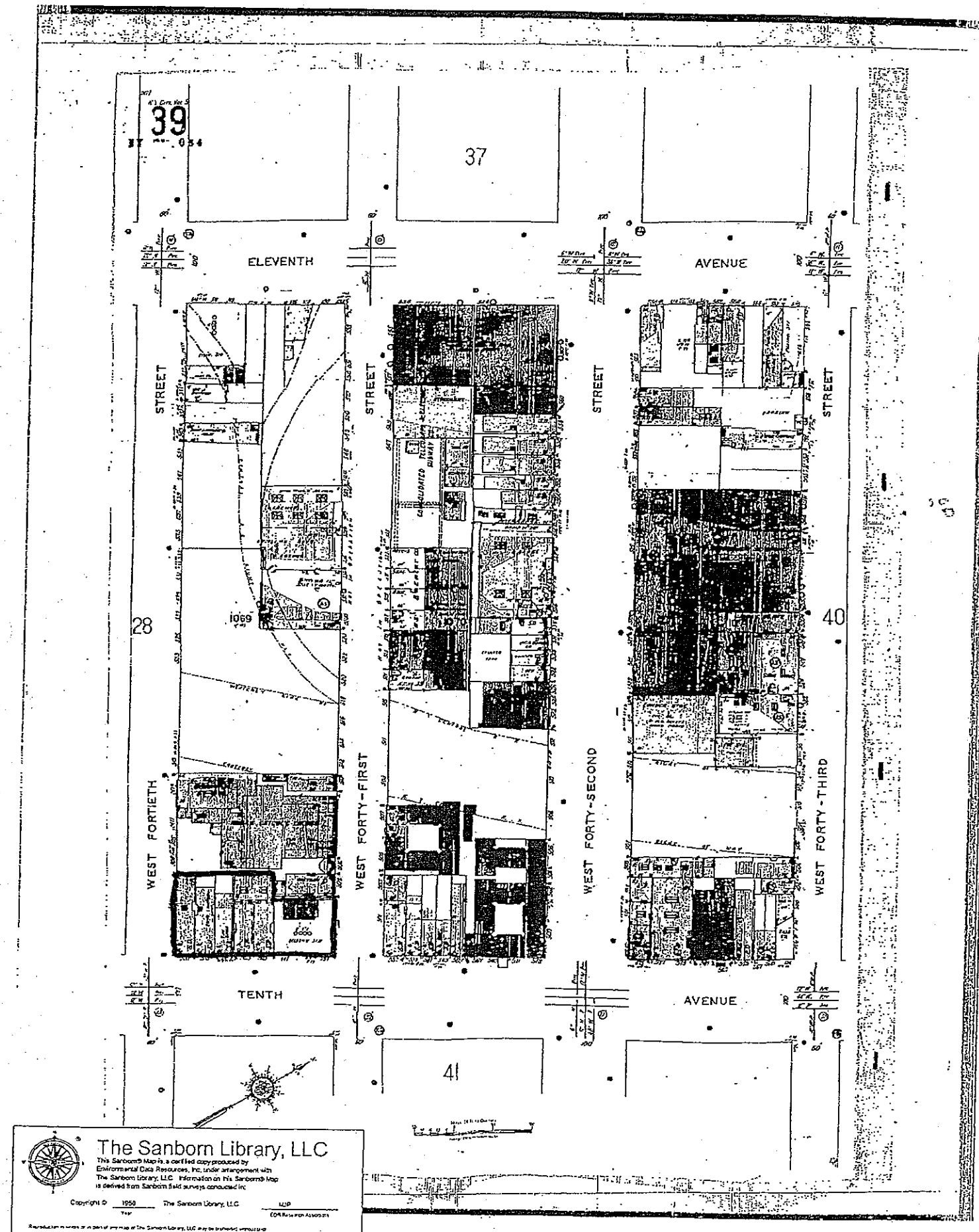

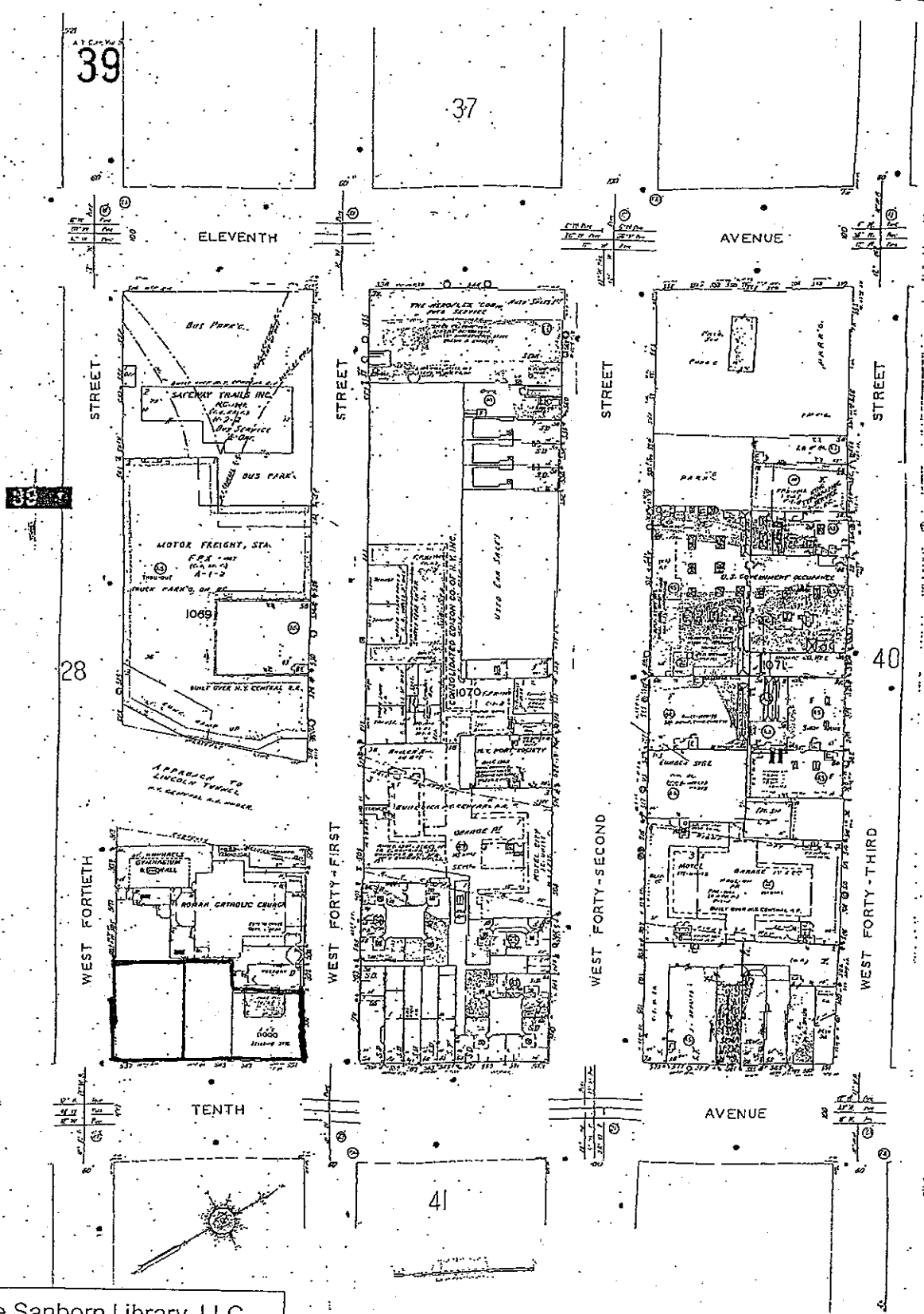

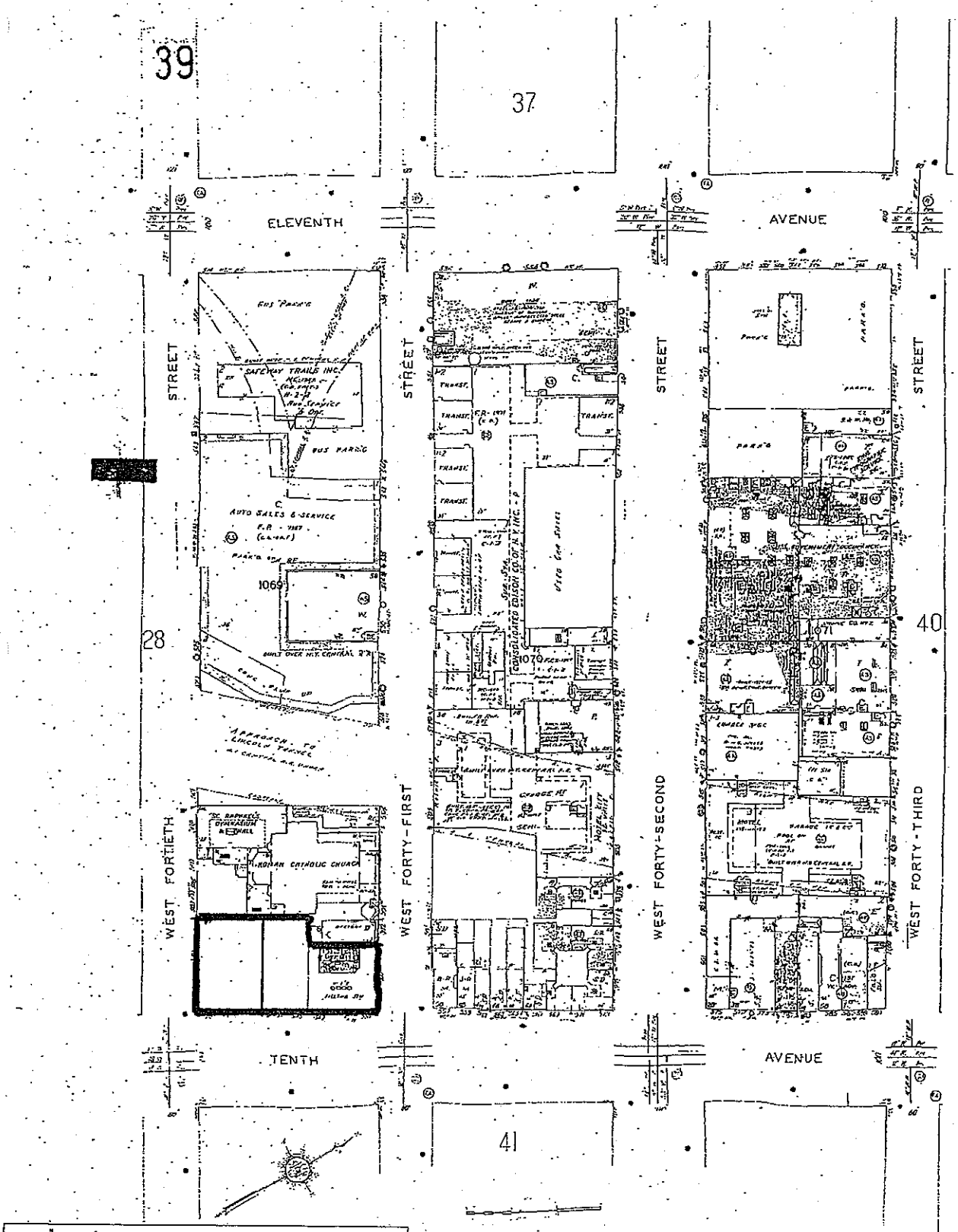

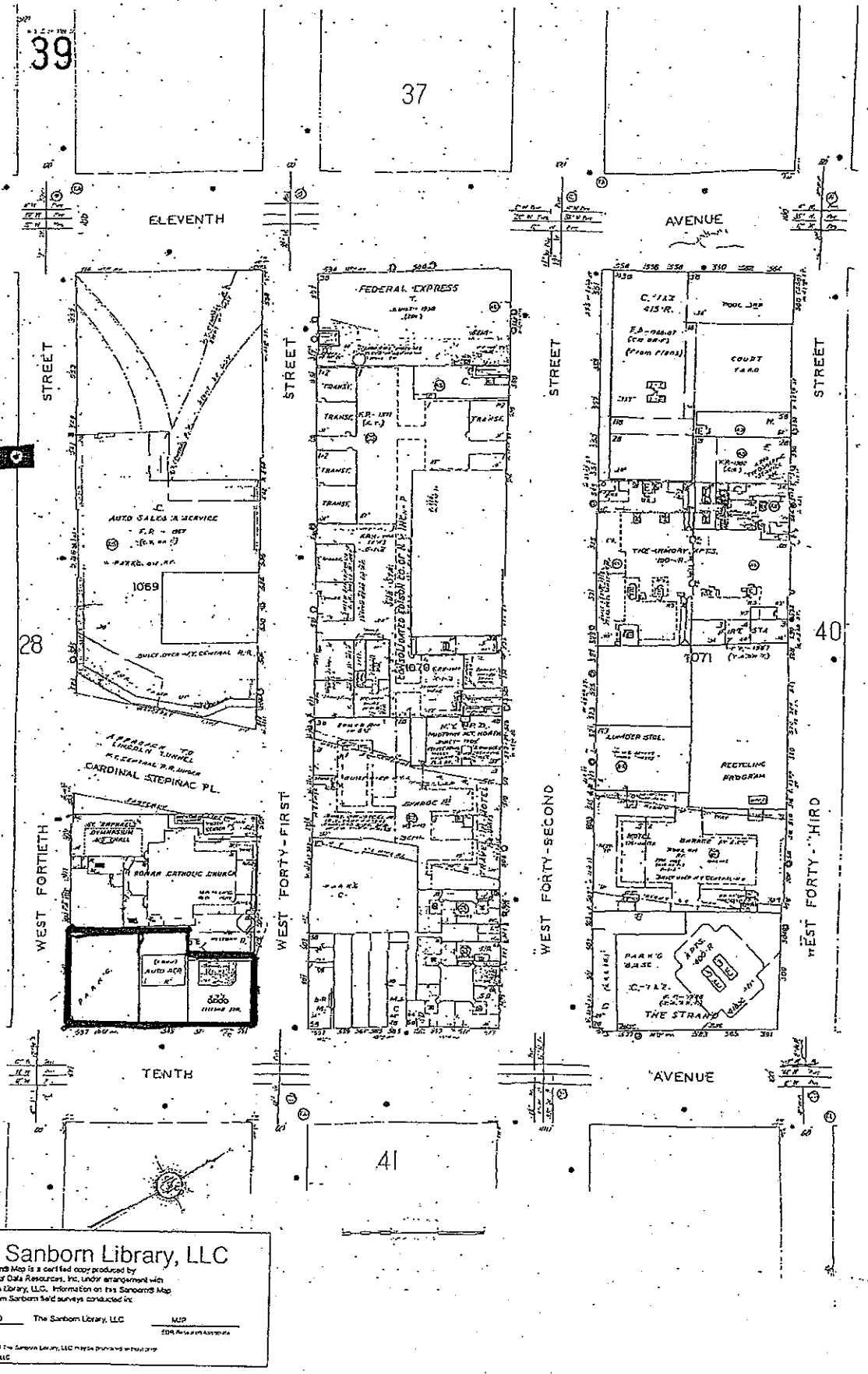

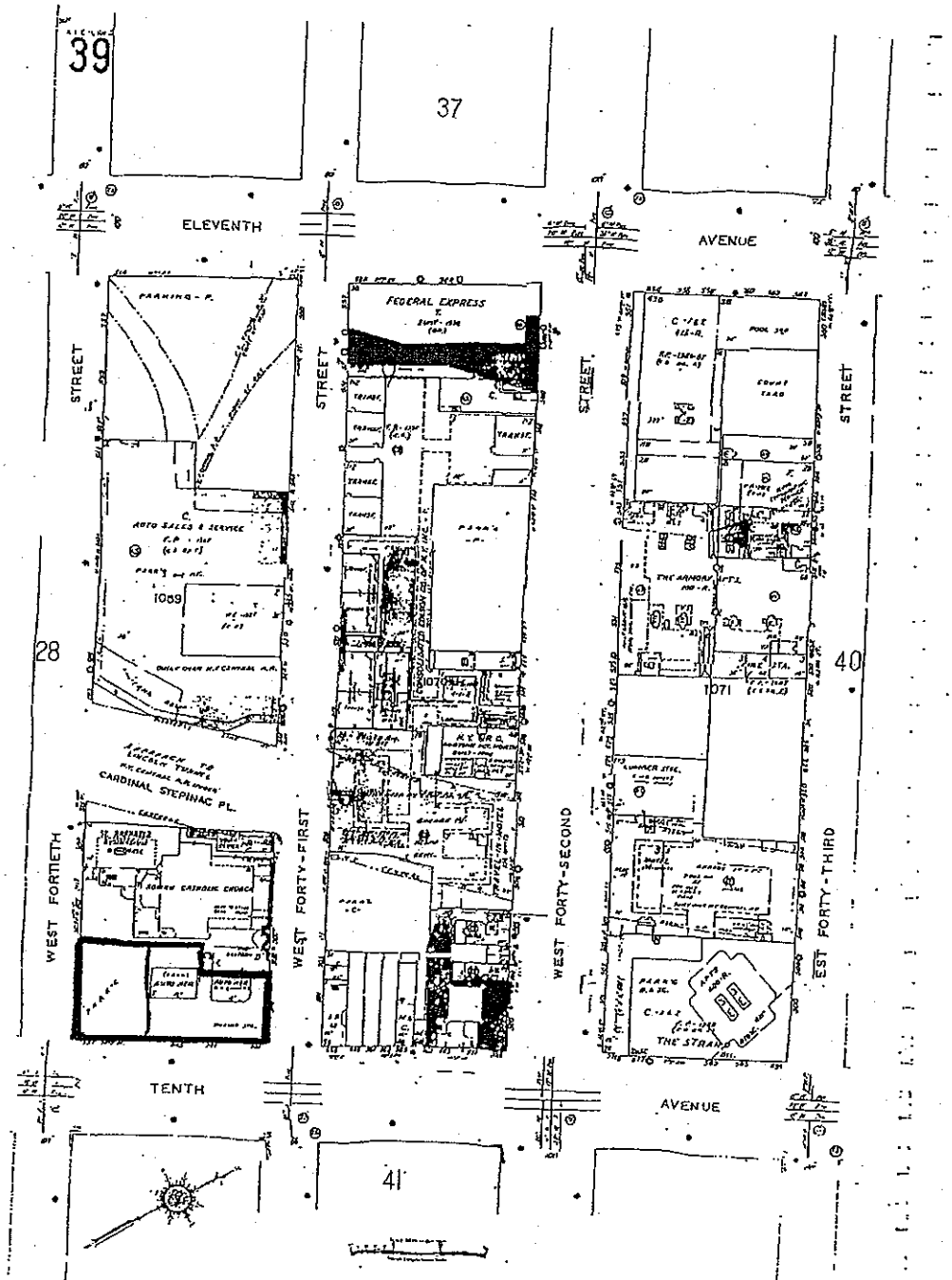

No. 7 Subway Line Extension - Hudson Yards Rezoning and Development Program CM-1189R / C26501

Phase II Environmental Site Investigation Report Site M

No. 7 Subway Extension—Hudson Yards Rezoning and Development Program

New York, New York

April 2006

Revision Number 0.01

For:

MTA New York City Transit

New York City Department of City Planning

Submitted by:

PB

In association with:

CES

TABLE OF CONTENTS

TABLE OF CONTENTS (Continued)

FIGURES

APPENDICES

EXECUTIVE SUMMARY

The Parsons Brinckerhoff (PB) Team was retained by New York City Transit (NYCT) to perform a Phase I Environmental Site Assessments (ESA), for the properties located at 537 – 547 Tenth Avenue (hereafter referred to as "Site M"), New York, New York (Block 1069, Lots 29 and 34) for the No. 7 Subway Extension.

Site M is bound on the north by West 41st Street, on the south by West 40th Street, to the west by St. Raphael's Catholic Church, and on the east by Tenth Avenue. Site M is comprised of a 1-story CC Truck Rental Office and a paved, ground level parking lot.

During construction, Site M may be utilized as a temporary access for spoil removal for the Tenth Avenue Station cavern and various staging activities. The northern section of Site M would be excavated approximately 75 feet below grade for a new systems building to support the proposed Tenth Avenue Station of the No. 7 Subway Extension. These construction activities would occur primarily below grade through mining (drill and blasting) and excavation (cut-and-cover). The No. 7 Subway Extension running tunnel under West 41st Street, just north of Site M, would be mined by a Tunnel Boring Machine (TBM). The proposed development would require some degree of existing soil and bedrock excavation/removal, soil reuse and disposal, and dewatering to allow for construction. Potential exposure to hazardous materials is increased in areas of subsurface penetration such as during construction activities on Site M.

The purpose of the Phase II ESI was to determine if the environmental conditions identified in the Phase I Environmental Site Assessment (ESA), prepared by the PB Team in June 2004 (PB, 2004) for MTA/NYCT, have resulted in soil and/or groundwater impacts at the Site, and as such, would require management measures. The results of the Phase II ESI were then used to characterize chemical and physical characteristics of the soil and groundwater at the Site. The characterization was used to evaluate potential risks to workers and the general public, and it provides guidance to determine the required procedures for managing soil and/or groundwater encountered during construction.

The field investigation was performed from December 21st to December 22nd, 2005 and included the advancement of ten (10) soil borings and collection of three (3) groundwater samples. All borings were advanced to a refusal, which was encountered at approximate depths of 15 to 30 feet below the ground surface. At locations where shallow refusals were encountered, repeated attempts were made to reach the anticipated depth of the bedrock. The depth of deep refusals during this investigation was consistent with the anticipated depth of the bedrock (with the exception of GP-5 - see below). One common characteristic of all sampling locations at this site was a very significant thickness of structural fill composed primarily of construction debris (up to 16 feet). At location GP-5, at the center of the northern section of the site, the entire sampling column from the grade to 16' below grade (BG) was composed of construction debris, with a refusal at 16' BG likely due to the debris.

Samples from all soil borings were submitted for analysis for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) identified in the New York State Department of Environmental Conservation (NYSDEC) Spill Technology and Remediation Series Memo #1 (STARS), Target Analyte List (TAL) Metals, pesticides and polychlorinated biphenyls (PCBs), PLM Asbestos and Resource Conservation and the Recovery Act (RCRA) Waste Characteristics reactivity, corrosivity, and flashpoint.

The laboratory results indicate that the soils at the Site contain elevated concentrations of SVOCs, pesticides and metals. The compounds detected are commonly present in fill materials located throughout New York City. The absence of high concentrations of target contaminants in the groundwater samples indicates the likelihood of relatively small-quantity localized releases of SVOC on-site, as well as the presence of high levels of metals in the structural fill used to raise the surface elevation of the site. The NYSDEC *may* not permit reuse of soil excavated from the site due to the elevated concentrations of SVOCs and metals. Based on the results of the laboratory analysis, the subsurface material excavated during construction would likely be classified as non-hazardous waste if it is determined that off-site disposal is required.

Prior to construction, the Contractor is required to prepare an Environmental Assessment Report (EAR), which shall include pre-construction characterization of all materials to be generated during construction.

The proposed excavation will extend into the bedrock, to depths in excess of the maximum depth achieved during the Phase II assessment. A possibility exists for contaminants to be present in the fractured bedrock below the Site M; however, based on results of this study the possibility of this is very low. The Contractor will be required to prepare a Site-Specific Health and Safety Plan and Site-Specific Soil Management Plan to address the handling and management of soil excavated from the Site during the construction activities. Due to the extent of excavation and proposed construction activities at the Site, off-site disposal of soil is expected. The laboratory results indicate that soil would likely be classified as non-hazardous waste.

The groundwater samples were analyzed for VOCs, SVOCs, TAL Metals, and PCBs. Additionally, one groundwater sample was analyzed for New York City Department of Environmental Protection (NYCDEP) Limitations for Effluent to Sanitary or Combined sewers.

The results of the laboratory analyses of groundwater revealed that in the northern section of the Site, slight VOC and metal contamination is present in the groundwater. However, none of the parameters (with the exception of Zinc and Total Suspended Solids (TSS)) exceed the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 criteria or the NYCDEP Limitations for Effluent to Sanitary or Combined sewers. The elevated concentrations of Zinc, as well as elevated TSS values can be removed by the use of a sedimentation tanks prior to discharge into the sewer.

1.0 INTRODUCTION

The Parsons Brinckerhoff (PB) Team was retained by New York City Transit (NYCT) to perform a Phase I Environmental Site Assessments (ESA), for the properties located at 537 – 547 Tenth Avenue (hereafter referred to as "Site M"), New York, New York (Block 1069, Lots 29 and 34) for the No. 7 Subway Extension.

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The purpose of the Phase II ESI was to determine if the environmental conditions identified in the Phase I Environmental Site Assessment (ESA), prepared by the PB Team in June 2004 (PB, 2004) for MTA/NYCT, have resulted in soil and/or groundwater impacts at the Site, and as such, would require management measures. The results of the Phase II ESI were then used to characterize chemical and physical characteristics of the soil and groundwater at the Site. The characterization was used to evaluate potential risks to workers and the general public, and it provides guidance to determine the required procedures for managing soil and/or groundwater encountered during construction.

The Phase I ESA identified Recognized Environmental Conditions (RECs) associated with Site M. These RECs are listed below.

- *Historical Use of Property.* Site M (Lots 29 and 34, CC Truck Rental Office and Parking Lot) is located between West 41st Street and West 40th Street along Tenth Avenue, in an area primarily characterized by industrial, transportation, manufacturing, commercial, and limited residential uses. Based on a review of Sanborn Fire Insurance Maps, historical uses of the Subject Property considered RECs include: a "Chinese Laundry", a gas station and an automobile repair garage at the Subject Property, and

- *Historic Fill.* Site M was constructed on land that was filled-in during the later part of the 18th Century. The material used to create the land is of an unknown source and may contain elevated concentrations of Semi-Volatile Organic Compounds and/or metals.

- *Historical Use of Surrounding Properties.* At adjoining properties the REC's included: a coal yard, a piano factory and several gas stations, which may have resulted in release of petroleum, and possibly metals, to subsurface soil and groundwater, which could affect conditions at the property.

- *Petroleum Release On-Site and Surrounding Properies.* The New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) database, identified the Subject Property and a total of 54 NY Spills/LTANKS incidents within a one-half mile radius of the Subject Property. Of these, 33 were closed cases and 16 were cross- or downgradient of the Subject Property and are not considered RECs. Of the remaining

five open cases, one is the Subject Property and four are either upgradient or in close proximity (adjacent) to the Subject Property. Based on the distances, assumed hydraulic gradients, and current regulatory status, three cases are considered RECs because they have the potential to have impacted soil and/or groundwater at the Site M. The remaining two facilities listed are not considered RECs. Although upgradient of the Site M, these cases do not involve releases that have the potential to impact the Site M based on their distances and/or the significance of the reported spill. Contaminated soil discovered during tank removal at an old gas station on 6/29/95.

A site visit was conducted in September 2003 and November 2005. Site M is currently used as a commercial truck and van rental facility, and is an approximately 17,875-square foot lot paved with asphalt. Site M is bound on all sides by a chain-link fence. A church is located adjacent to the Site M to the west and a staging area for construction equipment is located to the south, across West 40th Street. The northern half of the Site M is occupied by a single-story concrete block structure with two bay doors. The building is similar in design to a gas station building, which is consistent with the Sanborn map review, which notes the presence of a gas station on the site from at least 1950 to 1996. The building is utilized as the offices of Courier Car Rentals, Inc. According to an employee, the building is heated by electric baseboards and no vehicle fueling is performed onsite. The former garage area of the building is utilized for storage. No automobile lifts were observed in this area. South of the building, the area is paved and occupied by a billboard. In the vicinity of the billboard and slightly to the north, the remains of a building foundation are visible protruding from the asphalt. This observation is consistent with the Sanborn map review, which notes the presence of an automobile repair garage until approximately 1996. The southern half of Site M is paved and used for vehicle parking. No evidence of fill and vent pipes associated with USTs was observed on the Site M or surrounding sidewalks. Minor pavement staining, typical of parking lots, was observed in various locations. This staining is considered a *de minimus* condition. No other evidence of contamination was observed, and no RECs were identified during the site inspection.

Because the Phase I ESA indicated potential sources of contamination (e.g., historical fill, historic site usage, underground storage tanks, nearby off-site sources), it is necessary to characterize the potential for subsurface materials to contain hazardous materials. As such, further investigations of the soil and groundwater quality of Site M are necessary and can be determined through a Phase II Environmental Site Investigation (ESI) of the property.

The objective of the Phase II ESI is to determine if the RECs identified in the Phase I ESA have resulted in soil and/or groundwater contamination beneath the Site that would require management measures. The results of the Phase II ESA are then used to characterize soil and groundwater at the Site and evaluate the potential risks to workers and the general public, as well as provides guidance on determining the procedures for managing soil and groundwater encountered during construction.

Phase II ESI consisted of the advancement of ten (10) soil borings (GP1-GP10) and collection of three (3) groundwater samples for laboratory analyses. Soil samples were collected for laboratory analysis from each of the borings as described in Section 4.1. Groundwater samples were collected from two temporary groundwater monitoring points and from one existing monitoring well.

This report provides a summary of the Site and surrounding area, the findings of the ESA, a discussion of the ESA activities performed, a presentation of the ESA findings and conclusions and recommendations.

2.0 BACKGROUND

As part of the Phase I ESA (PB, 2004) historical records (e.g., site land uses) and regulatory agency databases were reviewed; as a result of this review, RECs were identified both on- and off-site. On-site RECS include a "Chinese Laundry", a gas station and an automobile repair garage. At adjoining properties the REC's included a coal yard, a piano factory and several gas stations, which may have resulted in release of petroleum, and possibly metals, to subsurface soil and groundwater, which could affect conditions at the property. Also according to the Phase I ESA, three spill cases are considered RECs because of the proximity and assumed hydraulic gradients have the potential to have impacted soil and/or groundwater at the Site M.

The site reconnaissance portion of the Phase I ESA identified the presence of possible asbestos-containing materials (ACM) used in the construction of the 1-story building on-site, as well as, former USTs. A gas station operated on the site from at least 1950 to 1996. No details on the date of installation or tightness testing were available for storage tanks. An asbestos inspection and material survey was subsequently performed and its findings are under separate cover.

Review of regulatory agency databases identified the Site on the Emergency Response Notification System (ERNS) database, which is a record of spills of hazardous materials reported to the United States Environmental Protection Agency (USEPA). No further information regarding spills of hazardous materials was available.

Review of regulatory agency databases identified three facilities with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs. Two of the three spills have the same address as facilities listed in the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database.

A review of Site history, regulatory agency records, and observations made during a field screening of geotechnical alignment soil borings indicate that contamination, including volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, and polychlorinated biphenyls (PCBs) may be present in subsurface soil and groundwater.

3.0 PHYSICAL SETTING

Site M is situated in an area (see Figures 1 and 2) that was originally nearby the historic shoreline of the Hudson River located near the present Eleventh Avenue. Through urban developments, which began in the mid-1800s, the area was extended toward the shoreline and beyond the present Eleventh Avenue, and was filled with soil, rock and miscellaneous debris to create land that was utilized in the late 1800s by a "Chinese Laundry", and then later as a gas station and an automobile repair shop (Sanborn Fire Insurance Maps). CC Truck Rental is the present owner of Site M and operates a truck rental business, utilitizing the building for offices and the parking lot as for vehicle storage.

3.1 Topography

Based on a review of the United States Geological Survey (USGS) 7.5-Minute Quadrangle Map, *Weehawken and Jersey City, New Jersey-New York, Central Park, New York – New Jersey, and Brooklyn, New York Quadrangles*, the elevation of the Site is approximately 25 feet above mean sea level. The site reconnaissance revealed the Site to be on a gently sloping plain, with a slight gradient to the west. The PB Team's review of the USGS map indicated that the area's general topographic gradient is to the west. A copy of the topographic map is presented in Figure 1.

3.2 Geology

Site M is underlain by the Manhattan Prong of the New England Uplands physiographic province. The bedrock of the Manhattan Prong underlies much of southwestern Connecticut, Westchester County, New York, and New York City, and ends at the southern tip of Manhattan Island. Three distinct metamorphic rock formations make up the Manhattan Prong; known collectively as the New York City Group. These formations are: the highly folded and contorted Fordham gneiss, the oldest and most widespread of the formations; the Inwood marble, derived from dolomitic limestone; and the younger Manhattan Formation, consisting largely of mica schist, overlying the Inwood marble and making up most of the rock outcrops on Manhattan Island. The soils are mostly acidic, shallow to deep, and rocky (Baskerville 1989). Surficial geology in the vicinity of the Site M is expected to consist of Pleistocene deposits of till and stratified drift, overlain by Holocene deposits. The till was deposited as ground moraine, is less than 25 feet thick in most places and is discontinuous, while Holocene deposits consist of salt marsh deposits, alluvium and shoreline or beach deposits. These sediments consist of sand, gravel, silt, organic silt, peat, loam and shells. Artificial fill overlies most Holocene deposits and contains various mixtures of soil (Baskerville 1989).

3.3 Hydrology

Manhattan Island is underlain by pre-Cambrian metamorphic rocks which have been tightly folded and subsequently eroded. In most places, these pre-Cambrian rocks are overlain by a thin covering of Pleistocene deposits, consisting chiefly of till. The rock beneath most of the island is the Manhattan schist. Manhattan schist contains some joints, irregular fractures and faults along which groundwater moves, but in some places chemical weathering has filled these openings with clay. The Manhattan schist underlies more than three-fourths of Manhattan, but it is not considered to be an important source of groundwater since openings in the bedrock that yield water through joints and fractures are minimal (Perlmutter and Arnow 1953). Due to the thinness and low permeability of the Pleistocene till, water yields are low. However, there are two large bodies of stratified drift in Manhattan that contain and yield considerable groundwater. Neither of these bodies, which are associated with the prominent depressions in the bedrock

surface, is located in close proximity to the Site M. One is located in northern Manhattan (extending from 96th Street and the East River to about 145th Street and the Hudson River), while the other is located in southern Manhattan (all of the island south of 14th Street) (Perlmutter and Arnow 1953).

Based on a review of existing information, groundwater beneath Site M is expected to flow to the west, ultimately discharging into the Hudson River, located approximately 1,000 feet west of Site M. Surface drainage, based on identified topography, flows west from Site M. Estimated groundwater levels and/or flow direction(s) may vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures, or dewatering operations. Stormwater runoff from the Site M is expected to drain into stormwater drains located along West 41st Street and Tenth Avenue. Based on a review of the 1975 New York State Department of Environmental Conservation (NYSDEC) Freshwater Wetlands Map, New York County, Map 2 of 4, no wetlands that are regulated under the Freshwater Wetlands Act are present in the Borough of Manhattan. A review of National Wetlands Inventory (NWI) information indicated that no wetlands were present on or adjacent to the Subject Property. The Federal Emergency Management Agency's digital Q3 flood data for Site M were reviewed. The Q3 data indicated the Subject Property is located outside the 100-year and 500-year flood boundaries. Digital Q3 flood data are developed by scanning the existing Flood Insurance Rate Map (FIRM) hardcopy, vectorizing a thematic overlay of flood risks. Vector Q3 flood data files contain only certain features from the existing FIRM hardcopy and are contained in one single countywide file, including all incorporated and unincorporated areas of a county. Digital Q3 flood data are designed to support planning activities, some Community Rating System activities, insurance marketing, and mortgage portfolio reviews. The file does not provide base flood elevation information; thus, it has limited application for engineering analysis, particularly for site design. The product is a valuable tool however in screening property addresses within a Geographic Information System to determine flood risks.

4.0 TECHNICAL OVERVIEW

The field effort for the Phase II ESA was performed from December 21 to December 22, 2005 and consisted of the advancement of ten (10) environmental soil borings and sampling of three (3) groundwater monitoring wells in accordance with the Work Plan (PB, 2005). Deviations from the Work Plan are described within the following paragraphs.

An asbestos inspection and material survey was also performed and its findings are under separate cover.

4.1 Environmental Soil Sampling

Ten environmental soil borings were advanced at the Site and were identified as borings GP-1 through GP-10. The soil boring locations are presented on Figure 3.

Project representatives performed utility clearance notification prior to drilling. After the boring locations were selected, and cleared of obstructions, the soil borings were initiated by hand auguring to a depth of 5 feet (where possible) below the ground surface (ftbgs) to provide an additional level of protection against disrupting any unknown utilities buried below the surface.

Soil samples were collected for laboratory analysis from each of the borings.

Drilling was performed by Precision Sampling, Inc. of Yorktown, NY and ZEBRA Environmental of Lynbrook, NY.

All borings were advanced to a refusal, which was encountered at approximate depths of 15 to 30 feet below the ground surface. At locations where shallow refusals were encountered, repeated attempts were made to reach the anticipated depth of the bedrock. The depth of deep refusals during this investigation was consistent with the anticipated depth of the bedrock (with the exception of GP-5 - see below). One common characteristic of all sampling locations at this site was a very significant thickness of structural fill composed primarily of construction debris (up to 16 feet). At location GP-5, at the center of the northern section of the site, the entire sampling column from the grade to 16' below grade (BG) was composed of construction debris, with a refusal at 16' BG likely due to the debris.

Soil samples were retrieved using 4-foot long, 2-inch diameter Macro-Core samplers advanced continuously from the grade to the refusal. The recovered soils were lithologically classified using the Burmister field soil classification system. Boring logs were generated for each location, and are provided in Appendix A and soils encountered are described in Section 3.2.

During the advancement of the soil borings, a PB Team member visually inspected and continuously screened recovered soil samples and soil cuttings for organic vapors using a 10.2 eV photo-ionization detector (PID). There were no visual or olfactory indicators of contamination observed in soil recovered from the soil borings. Soil PID screening results are provided on the boring logs in Appendix A.

The soil borings were installed to investigate potential impacts associated with historic usage and current spills.

Samples were analyzed for VOCs, SVOCs, TAL Metals, Pesticides/Herbicides (only for samples to be collected from the depth interval of 0 to 6 ftbgs), PLM Asbestos and PCBs identified in the

NYSDEC TAGM HWR-4046 and RCRA Waste Characteristics (i.e., toxicity, reactivity, corrosivity, and flammability).

Soil samples were collected in laboratory-supplied glassware, were labeled with the project name, sample location, time of collection, and stored at a temperature below 4°C prior to delivery to American Analytical Laboratories LLC of Farmingdale, NY for laboratory analyses.

Following completion of the soil borings, and collection of groundwater samples as described in Section 4.2, the drilling contractor grouted the soil borings to the surface and restored the surface with like materials (e.g., asphalt or concrete).

4.2 Groundwater Sampling

As part of this Phase II ESI for Site M, a groundwater sampling program has been implemented to assess groundwater quality. Contaminants in groundwater at Site M may be present as a result of the contaminant leaching from historic fill material, leaching from hazardous materials or petroleum products released as part of the historic usage of Site M, releases from former on-site USTs, and releases from surrounding properties. The groundwater sampling plan included both the installation of temporary groundwater monitoring points, and sampling of existing monitoring wells to permit the collection groundwater samples for laboratory analyses.

Three (3) groundwater samples have been collected. The wells were sampled using a peristaltic pump and polyethylene tubing. Prior to sampling, the wells were purged using a submersible groundwater pump. The purge amount equaled 3 well volumes. Groundwater samples were containerized in laboratory-supplied, pre-preserved sample bottles. Each bottle was labeled with the project name, sample location, time of collection, and stored at a temperature below 4°C prior to delivery to the laboratory for analyses.

The groundwater samples were shipped to American Analytical Laboratories LLC of Farmingdale, NY for analysis of VOCs, SVOCs, TAL Metals, and PCBs. Additionally, samples were analyzed for NYCDEP Limitations for Effluent to Sanitary or Combined sewers.

5.0 RESULTS

The soil analytical data results were compared to the NYSDEC TAGM HWR-94-4046 Recommended Soil Cleanup Objectives (RSCOs). The TAGM provides a basis to determine soil cleanup levels at hazardous waste and spill sites when the Director of NYSDEC's Division of Environmental Remediation determines that cleanup of a site to predisposal conditions is not possible or feasible. The TAGM RSCOs were compared to Phase II ESI laboratory results to determine if the soil is contaminated. Laboratory summary pages are provided as Appendix B and Tables 1 through 4 present a summary of the soil analytical laboratory results. The soil boring logs describing the soil types and fill materials encountered are provided in Appendix A.

The groundwater analytical data results are summarized in Tables 5 through 8, and the laboratory summary pages are provided in Appendix B. The field duplicate sample was collected from the TWP installed in soil boring S-2. The results of the groundwater analyses were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, as well as the NYCDEP Limitations for Effluent to Sanitary or Combined and Storm Sewers (Limitations for Effluent to Sewers).

5.1 Soil Sample Results

Volatile Organic Compounds (VOCs)

The laboratory results for VOCs in soil are summarized in Table 1. Acetone above TAGM RSCO levels were detected in boring GP-1. Acetone is a common laboratory contaminant from sample handling rather than represent conditions in soil at the Site, although it possible to have residual acetone present from a previous site use. It is important to notice that a possibility for the presence of VOC and SVOC contaminants exists in the northern part of the Site, as indicated by the groundwater sampling results (GW-1). However, geologic the concentrations detected in groundwater are rather low and may be caused by migration from off-site sources.

Semi-Volatile Organic Compounds (SVOCs)

The laboratory results for SVOC analysis for soil are presented in Table 2. SVOCs above TAGM RSCO levels were detected in samples from locations GP-2, 7 and 6. At all locations SVOC contamination was concentrate at depth exceeding 12' BG. At location GP-1, the concentrations of SVOCs, although not in exceedence of the TAGM Soil Cleanup Objectives, have exceeded US EPA health-based criteria. The following SVOCs were detected in soil at concentrations exceeding the TAGM RSCOs :

- Benzo(a)anthracene (GP-2, GP-7, GP-6)
- Benzo(a)pyrene (GP-2 & GP-6)
- Benzo(b)fluoranthene (GP-2, GP-6 & GP-7)
- Benzo(k)fluoranthene (GP-2)

- Chrysene (GP-2, GP-6)
- Dibenzo(a,h)anthracene (GP-2)
- Indeno(1,2,3-c,d)pyrene (GP-2)

No other SVOCs were detected at concentrations exceeding the TAGM RSCOs in soil samples. The detected SVOCs include known or suspected carcinogens and systematic toxins. Provisions must be made to ensure proper protection of the workers during construction activities.

Metals

The laboratory results for metals analysis for soil are presented in Table 3. Metals at or above TAGM RSCO were detected in samples from the majority of borings throughout the site. The following metals were detected in soil at concentrations exceeding the TAGM RSCOs:

- Lead (GP-2 – above upper limit of normal industrial background)
- Mercury (GP-1, GP-2, GP-3, GP-4, GP-7, GP-10)
- Iron (all locations)
- Nickel (GP-2, GP-10, GP-6)
- Copper (GP-2, GP-4)
- Chromium (GP-1, GP-2, GP-3, GP-4, GP-6, GP-7, GP-9, GP-10)
- Cadmium (GP-5)
- Barium (GP-2, GP-4)
- Arsenic (GP-7)
- Zinc (all locations)

No other metals were detected at concentrations exceeding the TAGM RSCOs in soil samples. For some metals detected, including aluminum, calcium, lead, magnesium, manganese, potassium, and sodium, the TAGM RSCO is listed as "site background" only. Background concentrations of Iron vary widely, it's toxicity very low or none in most forms, and it should not be considered and contaminant of concern on this site.

The presence of the TAL metals on this site will require implementation of proper dust suppression and dust control systems during construction activities. Additionally, it is recommended to perform personnel exposure assessment during the excavating and blasting activities.

Polychlorinated Biphenyls (PCBs) and Pesticides

The laboratory results for the PCB analysis for soil are summarized in Table 3. PCBs were not detected in the soil samples analyzed.

Results for the pesticide analyses for soil are summarized in Table 4. The pesticide 4,4'-DDT was detected in soil samples from GP-4, considerably exceeding both exceed the TAGM RSCOs and US EPA health-based criteria.

A highly toxic pesticide Chlordane was detected at locations GP-3, GP-4 and GP-5 in concentrations exceeding TAGM RSCOs.

The pesticide Heptachlor was detected at location GP-3 in concentrations exceeding TAGM RSCOs.

Considering the fact that soil samples were collected as depth composites, a possibility exists for very high, localized concentrations of the above pesticides at shallow depth. A comprehensive field screening and sampling program must be implemented by the Contractor to protect workers from exposure to the pesticides during construction activities.

RCRA Hazardous Waste Characteristics

The laboratory results for the RCRA Hazardous Waste Characteristics for soil are summarized in Table 4. The soil samples were analyzed for flashpoint, reactivity and corrosivity. Results of these analyses revealed that the soil samples did not exhibit characteristics of RCRA hazardous waste.

Due to high concentrations of metals in soil samples, a composite sample was submitted for TCLP analysis for TAL Metals. No parameters were found to exceed regulatory limits for disposal as non-hazardous waste.

Summary of Soil Sampling Results

The laboratory results indicate that the soils at the Site contain elevated concentrations of SVOCs, pesticides and metals. The compounds detected are commonly present in fill materials located throughout New York City. The absence of high concentrations of target contaminants in the groundwater samples indicates the likelihood of relatively small-quantity localized releases of SVOC and pesticides on-site, as well as the presence of high levels of metals in the structural fill used to raise the surface elevation of the site. The NYSDEC *may* not permit reuse of soil excavated from the site due to the elevated concentrations of SVOCs and metals. Based on the results of the laboratory analysis, the subsurface material excavated during construction would likely be classified as non-hazardous waste if it is determined that off-site disposal is required.

Analysis for RCRA Characteristics revealed that site soils would not be considered RCRA hazardous waste.

5.2 Groundwater Sampling Results

Volatile Organic Compounds (VOCs)

The results of the VOC analysis for groundwater are presented in Table 5. The BTEX VOCs were detected in sample GW#1 (location GP-2 - North Side of the site) and benzene was detected in Sample GW#2 at a concentration exceeding the NYSDEC Groundwater Standards, but NOT exceeding NYCDEP Limitations for Effluent to Sewers. Since the groundwater at the site will not be used for human consumption and there are no sensitive ecological receptors in the area, the results indicate the possibility of direct discharge of the effluent of any dewatering operation into sanitary sewer (provided that all other NYCDEP criteria are met).

Semi-Volatile Organic Compounds (SVOCs)

A summary of the SVOC results for groundwater are presented in Table 6. SVOCs were NOT detected in any groundwater samples in concentrations exceeding either of the two referenced standards.

Metals

A summary of the metals results is presented in Table 7.

No metals were detected at concentrations exceeding applicable discharge limits, with the exception of Zinc. Processing of effluent water in sedimentation tanks is likely to lower the concentration of Zinc below regulatory limits.

Polychlorinated Biphenyls (PCBs)

A summary of the analytical results for PCB analysis is presented in Table 7. PCBs were not detected in the groundwater samples.

NYCDEP Sewer Discharge Requirements(excluding contaminant concentration listed above)

A summary of the laboratory results for these analyses is presented in Table 8. Laboratory analytical results for the groundwater samples revealed that the samples did not contain concentrations of hexavalent chromium, or exhibited pH that exceed the NYCDEP Limitations for Effluent to Sanitary or Combined Sewers. The total suspended solids values were in excess of NYCDEC limits, indicating the need for sedimentation tanks as a part of the effluent treatment system on site.

Summary of Groundwater Sampling Results

The results of the laboratory analyses of groundwater revealed that in the northern section of the Site, slight VOC and metal contamination is present in the groundwater. However, none of the parameters (with the exception of Zinc and Total Suspended Solids(TSS)) exceed the NYCDEP Limitations for Effluent to Sanitary or Combined Sewers criteria for discharge into sanitary or combined sewers. The elevated concentrations of Zinc, as well as elevated TSS values can be removed by the use of a sedimentation tanks prior to discharge into the sewer.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The following activities were performed for the Phase II ESI:

- Advancement of ten environmental soil borings;
- Collection of ten (10) grab and composite soil samples for laboratory analyses; and
- Collection of three (3) groundwater samples for laboratory analyses.

The following conclusions are based on field observations and laboratory results obtained from the investigation. Based on the conclusions recommendations are provided with regard to provisions for worker and community health and safety, as well as for handling and disposal of soil and groundwater encountered during the construction activities.

6.1 Soils

The laboratory results indicate that the soils at the Site contain elevated concentrations of SVOCs, pesticides and metals. The compounds detected are commonly present in fill materials located throughout New York City. The absence of high concentrations of target contaminants in the groundwater samples indicates the likelihood of relatively small-quantity localized releases of SVOC on-site, as well as the presence of high levels of metals in the structural fill used to raise the surface elevation of the site. The NYSDEC *may* not permit reuse of soil excavated from the site due to the elevated concentrations of SVOCs and metals. Based on the results of the laboratory analysis, the subsurface material excavated during construction would likely be classified as non-hazardous waste if it is determined that off-site disposal is required.

Prior to construction, the Contractor is required to prepare an Environmental Assessment Report (EAR), which shall include pre-construction characterization of all materials to be generated during construction. Based on our previous experience, determination as to reuse options will be made by NYSDEC based on sampling results of excavated and stockpiled material. The contractor should be prepared to handle the costs and logistics of off-site disposal of excavated contaminated soil.

The proposed excavation will extend into the bedrock, to depths in excess of the maximum depth achieved during the Phase II assessment. A possibility exists for contaminants to be present in the fractured bedrock below the Site M; however, based on results of this study the possibility of this is very low. The Contractor will be required to prepare a Site-Specific Health and Safety Plan and Site-Specific Soil Management Plan to address the handling and management of soil excavated from the Site during the construction activities. Due to the extent of excavation and proposed construction activities at the Site, off-site disposal of soil is expected. The laboratory results indicate that soil would likely be classified as non-hazardous waste.

6.2 Groundwater

The results of the laboratory analyses of groundwater revealed that in the northern section of the Site, slight VOC and metal contamination is present in the groundwater. However, none of the parameters (with the exception of Zinc and Total Suspended Solids(TSS)) exceed the NYCDEP Limitations for Effluent to Sanitary or Combined Sewers criteria for discharge into

sanitary or combined sewers. The elevated concentrations of Zinc, as well as elevated TSS values can be removed by the use of a sedimentation tanks prior to discharge into the sewer.

6.3 Additional Investigation

The proposed excavation will extend into the bedrock, to depths in excess of the maximum depth achieved during the Phase II assessment. A possibility exists for contaminants to be present in the fractured bedrock below the Site M; however, based on results of this study the possibility of this is very low. Therefore, additional investigation is NOT recommended for this site.

6.4 Health and Safety

The Contractor is required to prepare a Site-Specific Health and Safety Plan and Site-Specific Soil Management Plan to address the handling and management of soil excavated from the Site during the construction activities. The presence of high concentrations of carcinogenic SVOCs, persistent pesticides such as 4,4'-DDT and Chlordane and heavy metals in the soil samples indicates the need to develop a site-specific Exposure Assessment, Personal Protective Equipment, Ambient Air Monitoring and Dust Control Plans.

7.0 REFERENCES

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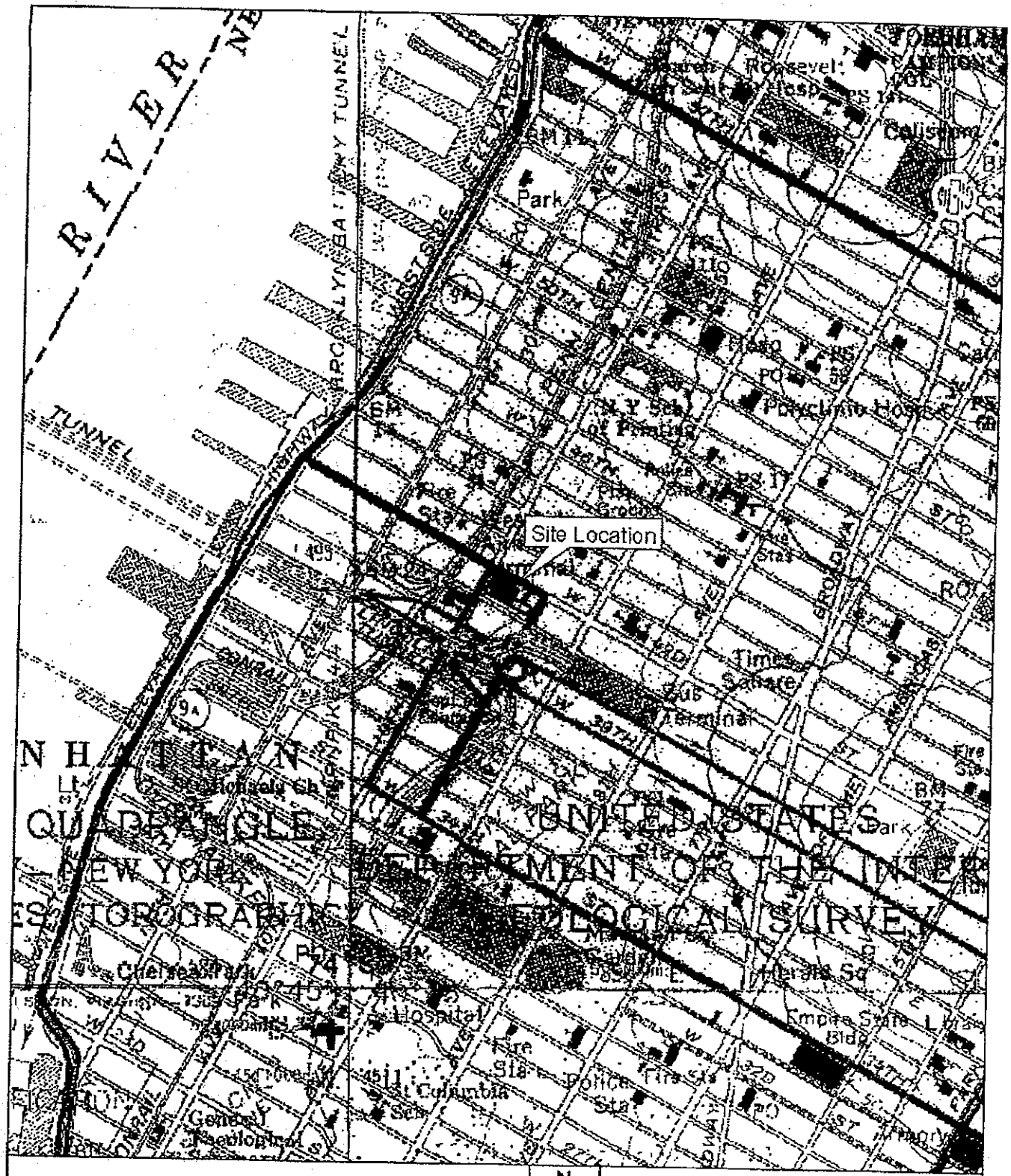
FIGURES


Site Location
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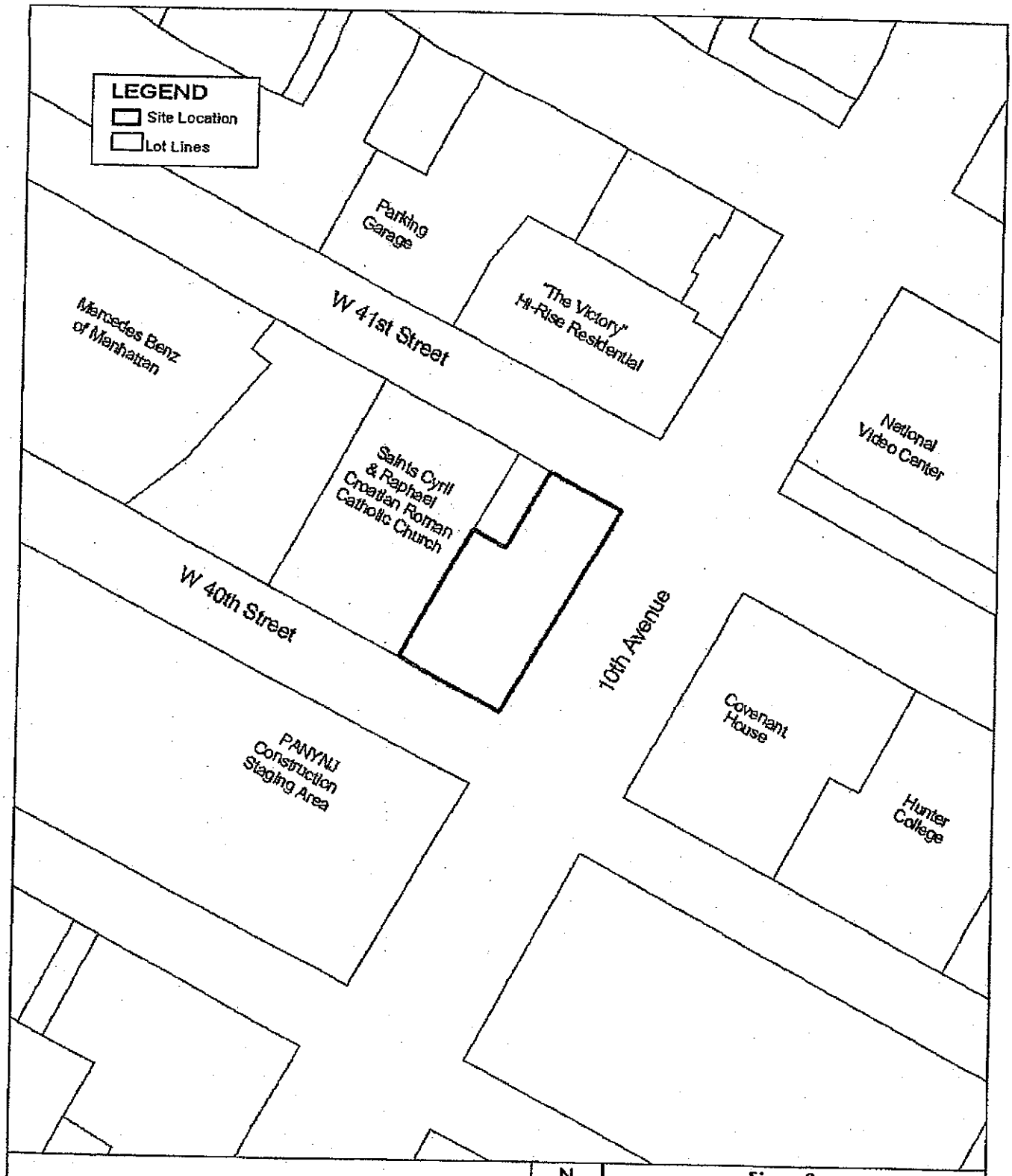
Source: USGS 7.5 Minute Topographic Maps,
Weehawkin and Jersey City, NJ and
Central Park and Brooklyn, NY Quadrangles.
Figure 1
Site Location Map
Block 1069, Lots 29 & 34
537 - 547 10th Avenue
New York, NY
Scale 1" = 1000 ft
Date: 11/03

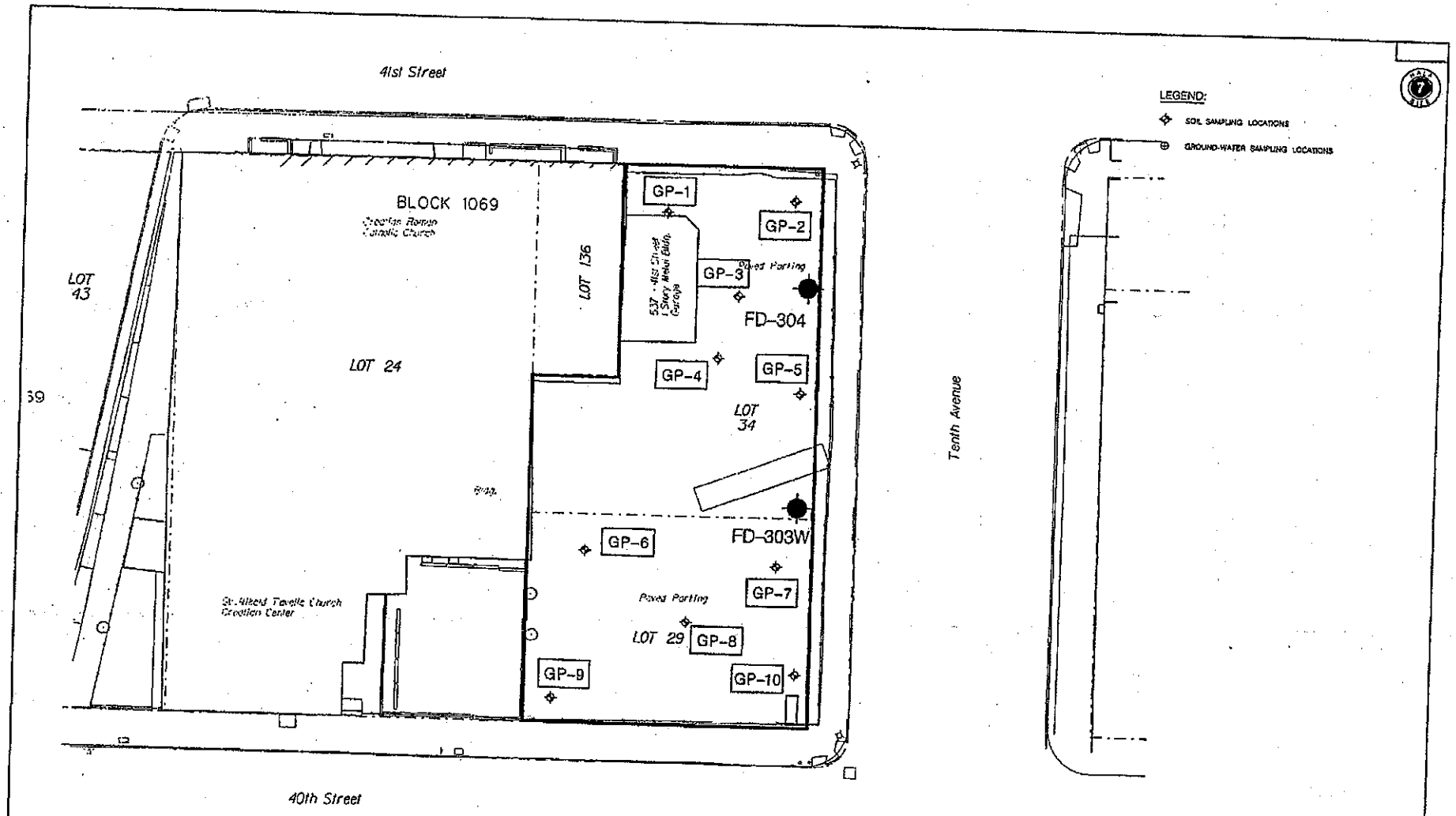


Source: Lot Lines - NY City Planning.

Figure 2
Site Plan

Block 1069, Lots 29 & 34
537 - 547 10th Avenue
New York, NY

Scale 1" = 100 ft | Date: 11/03



New York City Transit

New York City Department of City Planning

PB Team
2 Broadway
New York, NY 10004

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CONTRACT C-26504
34TH ST. STATION AND SITES A, J & P CONSTRUCTION
SITE M
SOIL AND GROUND WATER SAMPLING LOCATIONS

DATE:
DRAWING No: NV-70121
REVISION:

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APPENDIX A

SOIL BORING LOGS

SOIL BORING LOG

Date: 12/21/2005
Site ID: 7West/Site M
Borehole ID: GP-1
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 28F, overcast

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Asphalt	0.0
0-4'	N/A	Gravel, brick, rock fragments	0.0
4-8'	N/A	Gravel, sand, brick; low recovery (20%)	0.0
8-10'	N/A	Gravel, rocks, sand, cinder	0.0
10-12'	N/A	Wood, transitioning into dark organic layer with strong petroleum odor	11.0
12-16'	N/A	Wet gray silt, some sand, rocks. Heavy petroleum odor.	14.0
16-20'	N/A	Wet gray silt, some sand, rock on the bottom. Heavy petroleum odor. Refusal at 20' BG. MC sampler damaged.	13.0

SOIL BORING LOG

Date: 12/21/2005
Site ID: 7West/Site M
Borehole ID: GP-2
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 28F, overcast

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Asphalt	0.0
0-4'	N/A	Gravel, brick, rock fragments, some sand.	0.0
4-8'	N/A	Gravel, brick, rock fragments, some sand.	0.0
8-10'	N/A	Gravel, brick, rock fragments, some sand. Refusal at 10' BG. Moved over.	0.0
0-8"	N/A	Asphalt	0.0
0-4'	N/A	Gravel, brick, cinder.	0.0
4-8'	N/A	Gravel, brick, cinder, some silt.	0.0
8-12'	N/A	Gravel, brick, cinder, some silt.	0.0
12-14'	N/A	Cinder, coal.	0.0
14-16'	N/A	Wet silty sand with rocks.	1.0
16-20'	N/A	Wet silty sand with rocks, petroleum odor.	1.5
20-24'	N/A	Wet silty sand with rocks, petroleum odor. Refusal at 24' BG	1.5
20-24'	N/A	Attempted GW sampling. No recharge. Moved over.	N/A
28-32'	N/A	Collected GW sample. Very slow recharge.	N/A

SOIL BORING LOG

Date: 12/22/2005
Site ID: 7West/Site M
Borehole ID: GP-3
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 38F, clear

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Asphalt	0.0
0-4'	N/A	Crushed brick, some sand	0.0
4-8'	N/A	Crushed brick, rocks, some sand	0.0
8-12'	N/A	Crushed quartz rock, dark organic material at 12' BG. Slight petroleum odor.	0.5
12-16'	N/A	Saturated gray to black silty sand. Strong petroleum odor.	15.9
16-20'	N/A	Wet gravel with silt, visible oily sheen. Strong petroleum odor	9.0
20-24'	N/A	Brown silty sand, saturated. Petroleum odor	6.0
24-27.5'	N/A	Brown silty sand, saturated. Petroleum odor. Refusal at 27.5' BG	2.0

SOIL BORING LOG

Date: 12/22/2005
Site ID: 7West/Site M
Borehole ID: GP-4
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 34F, clear

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-4"	N/A	Asphalt	0.0
0-4'	N/A	Gravel with sand, weathered schist ad brick	0.0
4-8'	N/A	Gravel with sand, weathered schist ad brick	0.0
8-10'	N/A	Crushed quartz, some brick and sand	0.0
10-12'	N/A	Crushed schist with sand, saturated, petroleum odor	3.0
12-16'	N/A	Brown silty sand, saturated. Petroleum odor	1.5
16-20'	N/A	Brown silty sand, saturated. Petroleum odor	0.5
20-24'	N/A	Brown silty sand, very wet, flowing. Refusal at 24' BG.	0.1

SOIL BORING LOG

Date: 12/22/2005
Site ID: 7West/Site M
Borehole ID: GP-5
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 38F, clear

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Asphalt	0.0
0-4'	N/A	No recovery.	0.0
4-8'	N/A	Crushed brick, some sand	0.0
8-12'	N/A	Crushed brick, some sand, while cement-like powder material	0.0
12-16'	N/A	Brick and mortar debris. Refusal at 16' BG.	0.0

SOIL BORING LOG

Date: 12/22/2005
Site ID: 7West/Site M
Borehole ID: GP-5
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 38F, clear

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-6"	N/A	Asphalt	0.0
0-4'	N/A	Crushed brick, rock, misc. debris	0.0
4-8'	N/A	Crushed brick, rock, cinder, some sand	0.0
8-10'	N/A	Crushed brick with sand	0.0
10-12'	N/A	Wet gray silty sand	0.0
12-16'	N/A	Wet gray silty sand with some schist fragments; layers of coarse to medium sand	0.0
16-20'	N/A	Wet gray silty sand with some rocks and brick fragments. 2" dark organic layer at 19' BG, a 1" layer of weathered schist at 19.5' BG	0.0
20-24'	N/A	Saturated dark gray fine sand.	0.0
24-28'	N/A	Gray silty sand, saturated. 4" layer of coarse sand at 27' BG. Refusal at 28' BG.	0.0

SOIL BORING LOG

Date: 12/21/2005
Site ID: 7West/Site M
Borehole ID: GP-7
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 28F, overcast

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Asphalt	0.0
0-4'	N/A	Gravel, brick, voids. 3 refusals (moved over 3 times).	0.0
4-8'	N/A	Gravel, brick, rock fragments, voids.	0.0
8-10'	N/A	Gravel, voids. Refusal at 10' BG. Moved over.	0.0
0-8"	N/A	Asphalt	0.0
0-4'	N/A	Gravel, concrete fragments, voids.	0.0
4-8'	N/A	Gravel, concrete fragments, voids.	0.0
8-12'	N/A	Gravel, concrete fragments, brick and cinder.	0.0
12-16'	N/A	Rocks and sand transitioning by 14' BG into wet gray silty sand with some rocks, slight petroleum odor. Refusal at 16' BG	0.0
		Collected GW sample from a nearby monitoring well FD-303W.	

SOIL BORING LOG

Date: 12/22/2005
Site ID: 7West/Site M
Borehole ID: GP-8
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 34F, clear

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Asphalt	0.0
0-4'	N/A	Brick, rocks, asphalt	0.0
4-8'	N/A	Brick, quarts and schist rocks, some sand	0.0
8-12'	N/A	Brick, quarts and schist rocks, some sand	0.0
12-16'	N/A	Brick, quarts and schist rocks, some sand, wet	0.0
16-17'	N/A	Wet gray silty sand	0.0
17-18'	N/A	Dark organic layer with some sand	0.0
18-20'	N/A	Wet dark brown silty sand, schist fragments	0.0
20-22'	N/A	Saturated dark brown to black soft, flowing silty sand	0.0
22-24'	N/A	Black coarse sand, wet	0.0
24-24.5'	N/A	No recovery - refusal.	0.0

SOIL BORING LOG

Date: 12/22/2005
Site ID: 7West/Site M
Borehole ID: GP-9
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 34F, clear

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-6"	N/A	Asphalt	0.0
0-4'	N/A	Void - no recovery.	0.0
4-8'	N/A	Gravel, brick, rock fragments, voids. Partial recovery (30%)	0.0
8-12'	N/A	Rocks and concrete intermixed with brown silty sand, wet.	0.0
12-16'	N/A	Wet brown sand with some silt, some rock fragments.	0.0
16-20'	N/A	Saturated gray sandy silt, some rocks.	0.0
20-24'	N/A	Saturated gray sandy silt, some rocks, some organic layering.	0.0
24-28'	N/A	Saturated gray sandy silt, some rocks, some weathered Schist.	0.0
28-30'	N/A	Saturated weathered Schist with some gray sandy silt. Refusal at 30' BG.	0.0
26-30'	N/A	Collected GW sample. Very slow recharge.	0.0

SOIL BORING LOG

Date: 12/22/2005
Site ID: 7West/Site M
Borehole ID: GP-10
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 38F, clear

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-6"	N/A	Asphalt	0.0
0-4'	N/A	No recovery	0.0
4-8'	N/A	Gravel, ash, cinder, crushed schist	0.0
8-12'	N/A	Gravel, ash, cinder, crushed schist	0.0
12-16'	N/A	Gravel, crushed schist, some sand	0.0
16-20'	N/A	Wet light brown fine sand	0.0
20-24'	N/A	Wet light brown fine sand, transition at 23' BG into dark brown silty sand with some weathered schist	0.0
24-28'	N/A	Dark brown wet sand with some schist. Refusal at 27.9' BG	0.0

APPENDIX B

ANALYTICAL LABORATORY DATA

Table 1 - Summary of VOCs in Soil - Site M

American Analytical Laboratories, LLC.
WorkOrder: 0512262
Project: Site M / 7 West

Client Sample ID: / Laboratory ID: / Sampling Date: / Analyte:	Units:	TAGM Soil Cleanup Objectives (ug/kg)	GP-1 [0-15' Composite] 0512262-01 12/22/2005 (ug/kg)	Q	GP-2 [0-24' Composite] 0512262-02 12/22/2005 (ug/kg)	Q	GP-7 [0-16' Composite] 0512262-03 12/22/2005 (ug/kg)	Q	GP-9 [0-30' Composite] 0512262-04 12/22/2005 (ug/kg)	Q	GP-10 [0-28' Composite] 0512262-05 12/22/2005 (ug/kg)	Q	GP-6 [0-28' Composite] 0512262-06 12/22/2005 (ug/kg)	Q	GP-8 [0-24' Composite] 0512262-07 12/22/2005 (ug/kg)	Q	GP-4 [0-24' Composite] 0512262-08 12/22/2005 (ug/kg)	Q	GP-5 [0-16' Composite] 0512262-09 12/22/2005 (ug/kg)	Q	GP-3 [0-27' Composite] 0512262-10 12/22/2005 (ug/kg)	Q
VOCs - Compound Name																						
1,1,1,2-Tetrachloroethan	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,1,1-Trichloroethane	PPB	800	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,1,2,2-Tetrachloroethan	PPB	600	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,1,2-Trichloro-1,2,2-trifl	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,1,2-Trichloroethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,1-Dichloroethane	PPB	200	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,1-Dichloroethene	PPB	400	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,1-Dichloropropene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,2,3-Trichlorobenzene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,2,3-Trichloropropane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,2,4,5-Tetramethylbenze	PPB		210		130		13		5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,2,4-Trichlorobenzene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	290		2.6	J	410	
1,2,4-Trimethylbenzene	PPB	10,000 (STARs)	15		38		5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,2-Dibromo-3-chloropro	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	18	
1,2-Dibromoethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,2-Dichlorobenzene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,2-Dichloroethane	PPB	100	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,2-Dichloropropane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,3,5-Trimethylbenzene	PPB	3,300 (STARs)	11		21		5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,3-Dichlorobenzene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	59	
1,3-dichloropropane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,4-Dichlorobenzene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
2,2-Dichloropropane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
2-Butanone	PPB	300	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
2-Chloroethyl vinyl ether	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
2-Chlorotoluene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
2-Hexanone	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
2-Propanol	PPB		62	U	61	U	59	U	59	U	61	U	60	U	61	U	63	U	60	U	60	U
4-Chlorotoluene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
4-Isopropyltoluene	PPB		7.1		6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	9.9		8.0	U	29	
4-Methyl-2-pentanone	PPB	1,000	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Acetone	PPB	200	400		140		60		140		6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Acrolein	PPB		31	U	30	U	30	U	29	U	30	U	30	U	31	U	31	U	30	U	30	U
Acrylonitrile	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Benzene	PPB	60 or MDL (STARs)	5.5	J	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	18	
Bromobenzene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Bromochloromethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Bromodichloromethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Bromoform	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U

NOTE:
ug/kg - Micrograms per kilogram
U - Analyte not detected at method detection level
STARs - threshold limits of NYSDEC STARS Memo # 1

Table 1 - Summary of VOCs in Soil - Site M

Client Sample ID: Laboratory ID: Sampling Date: Analyte:	Units:	TAGM Soil Cleanup Objectives (ug/kg)	GP-1 [0-15' Composite] 0512262-01 12/22/2005 (ug/kg)	Q	GP-2 [0-24' Composite] 0512262-02 12/22/2005 (ug/kg)	Q	GP-7 [0-16' Composite] 0512262-03 12/22/2005 (ug/kg)	Q	GP-9 [0-30' Composite] 0512262-04 12/22/2005 (ug/kg)	Q	GP-10 [0-28' Composite] 0512262-05 12/22/2005 (ug/kg)	Q	GP-6 [0-28' Composite] 0512262-06 12/22/2005 (ug/kg)	Q	GP-8 [0-24' Composite] 0512262-07 12/22/2005 (ug/kg)	Q	GP-4 [0-24' Composite] 0512262-08 12/22/2005 (ug/kg)	Q	GP-5 [0-16' Composite] 0512262-09 12/22/2005 (ug/kg)	Q	GP-3 [0-27' Composite] 0512262-10 12/22/2005 (ug/kg)	Q
Bromomethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Carbon disulfide	PPB	2,700	29		6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Carbon tetrachloride	PPB	600	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Chlorobenzene	PPB	1,700	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Chlorodifluoromethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Chloroethane	PPB	1,900	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Chloroform	PPB	300	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Chloromethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
cis-1,2-Dichloroethene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
cis-1,3-Dichloropropene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Dibromochloromethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Dibromomethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Dichlorodifluoromethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Diisopropyl ether	PPB		6.2	U	6.1	U	6.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Ethanol	PPB		31	U	30	U	30	U	29	U	30	U	30	U	31	U	31	U	30	U	30	U
Ethyl acetate	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Ethylbenzene	PPB	5,500 (STARs)	5.6	J	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	19	
Freon-114	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Hexachlorobutadiene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Isopropyl acetate	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Isopropylbenzene	PPB	2,300 (STARs)	17		6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
m,p-Xylene	PPB	1,200 (STARs)	7.5	J	12	U	12	U	12	U	12	U	12	U	12	U	13	U	12	U	12	
Methyl tert-butyl ether	PPB	120 (STARs)	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	5.1	J
Methylene chloride	PPB		41	B	26	B	18	B	18	B	17	B	27	B	17	B	28	B	25	B	17	B
Naphthalene	PPB	1,300 (STARs)	6.2	U	6.1	U	19		5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	59	
n-Butyl acetate	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
n-Butylbenzene	PPB	1,000 (STARs)	26		6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	5.8	J	6.0	U	48	
n-Propyl acetate	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
n-Propylbenzene	PPB	3,700 (STARs)	47		6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	58	
o-Xylene	PPB	1,200 (STARs)	6.2	U	13		5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	2.6	J
p-Diethylbenzene	PPB		6.2	U	36		5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	220	
p-Ethyltoluene	PPB		7.8		6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	31	
sec-Butylbenzene	PPB	1,000 (STARs)	10		6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	9.9		6.0	U	22	
Styrene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
t-Butyl alcohol	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
tert-Butylbenzene	PPB	1,000 (STARs)	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	10		6.0	U	29	
Tetrachloroethene	PPB	1,400	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	8.3	U	6.0	U	6.0	U
Toluene	PPB	1,500 (STARs)	2.2	J	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	4.7	J	6.0	U	6.0	U
trans-1,2-Dichloroethene	PPB	300	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
trans-1,3-Dichloropropen	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Trichloroethene	PPB	700	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Trichlorofluoromethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Vinyl acetate	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Vinyl chloride	PPB	200	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U

NOTE:

ug/kg - Micrograms per kilogram

U - Analyte not detected at method detection level

STARs - threshold limits of NYSDEC STARS Memo # 1

Table 2 - Summary of Total SVOCs in Soil
Site M

American Analytical Laboratories, LLC.
WorkOrder: 0512262
Project: Site M / 7 West

Client Sample ID: / Laboratory ID: / Sampling Date: / Analyte:	Units:	TAGM Soil Cleanup Objectives (ug/kg)	GP-1 [0-15' Composite] 0512262-01 12/22/2005 (ug/kg)	Q	GP-2 [0-24' Composite] 0512262-02 12/22/2005 (ug/kg)	Q	GP-7 [0-16' Composite] 0512262-03 12/22/2005 (ug/kg)	Q	S-6 [GP-9 0-30' Composite] 0512262-04 12/22/2005 (ug/kg)	Q	GP-10 [0-28' Composite] 0512262-05 12/22/2005 (ug/kg)	Q	GP-6 [0-28' Composite] 0512262-06 12/22/2005 (ug/kg)	Q	GP-8 [0-24' Composite] 0512262-07 12/22/2005 (ug/kg)	Q	GP-4 [0-24' Composite] 0512262-08 12/22/2005 (ug/kg)	Q	GP-5 [0-16' Composite] 0512262-09 12/22/2005 (ug/kg)	Q	GP-3 [0-27' Composite] 0512262-10 12/22/2005 (ug/kg)	Q
SVOCs - Compound Name																						
1,2,4-Trichlorobenzene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
1,2-Dichlorobenzene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
1,3-Dichlorobenzene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
1,4-Dichlorobenzene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2,4,5-Trichlorophenol	PPB	100	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2,4,6-Trichlorophenol	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2,4-Dichlorophenol	PPB	400	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2,4-Dimethylphenol	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2,4-Dinitrophenol	PPB	200 or MDL	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2,4-Dinitrotoluene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2,6-Dinitrotoluene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2-Chloronaphthalene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2-Chlorophenol	PPB	800	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2-Methylnaphthalene	PPB	36,400	150	U	640		140	U	250		150	U	140	U	150	U	150	U	140	U	140	U
2-Methylphenol	PPB	100 or MDL	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2-Nitroaniline	PPB	100 or MDL	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2-Nitrophenol	PPB	330 or MDL	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
3,3'-Dichlorobenzidine	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
3+4-Methylphenol	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
3-Nitroaniline	PPB	430	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
4,6-Dinitro-2-methylphen	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
4-Bromophenyl phenyl et	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
4-Chloro-3-methylphenol	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
4-Chloroaniline	PPB	220	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
4-Chlorophenyl phenyl et	PPB	240 or MDL	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
4-Nitroaniline	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
4-Nitrophenol	PPB	100	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Acenaphthene	PPB	50,000	150	U	590		140	U	140	U	150	U	440		150	U	150	U	140	U	140	U
Acenaphthylene	PPB	50,000	150	U	940		140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Aniline	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Anthracene	PPB	50,000	200		2000		140	U	140	U	150	U	960		150	U	150	U	140	U	140	U
Azobenzene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Benzidine	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Benzo(a)anthracene	PPB	224 or MDL	180		8600		270		140	U	150	U	1900		150	U	150	U	140	U	140	U
Benzo(a)pyrene	PPB	61 or MDL	160		8100		140	U	140	U	150	U	1600		780		150	U	140	U	140	U
Benzo(b)fluoranthene	PPB	220 or MDL	200		11000		270		140	U	150	U	2200		150	U	150	U	140	U	140	U
Benzo(g,h,i)perylene	PPB	50,000	150	U	5600		140	U	140	U	150	U	1000		150	U	150	U	140	U	140	U
Benzo(k)fluoranthene	PPB	220 or MDL	150	U	3200		110	J	140	U	150	U	560		150	U	150	U	140	U	140	U

NOTE:
ug/kg - Micrograms per kilogram
U - Analyte not detected
Bold=Detection concentration = or > TAGM RSCOs

Table 2 - Summary of Total SVOCs in Soil
Site M

Client Sample ID: / Laboratory ID: / Sampling Date: / Analyte:	Units:	TAGM Soil Cleanup Objectives (ug/kg)	GP-1 [0-15' Composite] 0512262-01 12/22/2005 (ug/kg)	Q	GP-2 [0-24' Composite] 0512262-02 12/22/2005 (ug/kg)	Q	GP-7 [0-16' Composite] 0512262-03 12/22/2005 (ug/kg)	Q	S-6 [GP-9 0-30" Composite] 0512262-04 12/22/2005 (ug/kg)	Q	GP-10 [0-28' Composite] 0512262-05 12/22/2005 (ug/kg)	Q	GP-6 [0-28' Composite] 0512262-06 12/22/2005 (ug/kg)	Q	GP-8 [0-24' Composite] 0512262-07 12/22/2005 (ug/kg)	Q	GP-4 [0-24' Composite] 0512262-08 12/22/2005 (ug/kg)	Q	GP-5 [0-16' Composite] 0512262-09 12/22/2005 (ug/kg)	Q	GP-3 [0-27' Composite] 0512262-10 12/22/2005 (ug/kg)	Q
Benzoic acid	PPB		150	U	160	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Benzyl alcohol	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Bis(2-chloroethoxy)metha	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Bis(2-chloroethyl)ether	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Bis(2-chloroisopropyl)eth	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Bis(2-ethylhexyl)phthalat	PPB	50,000	150	U	160		140	U	250		150	U	260		860		150	U	140	U	140	U
Butyl benzyl phthalate	PPB	50,000	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Carbazole	PPB		150	U	790		140	U	140	U	150	U	360		150	U	150	U	140	U	140	U
Chrysene	PPB	400	220		9900		260		140	U	150	U	1800		150	U	150	U	140	U	140	U
Dibenzo(a,h)anthracene	PPB	14 or MDL	150	U	1700		140	U	140	U	150	U	300		150	U	150	U	140	U	140	U
Dibenzofuran	PPB		150	U	760		140	U	140	U	150	U	330		150	U	150	U	140	U	140	U
Diethyl phthalate	PPB	7100	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Dimethyl phthalate	PPB	2000	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Di-n-butyl phthalate	PPB	8100	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Di-n-octyl phthalate	PPB	50,000	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Fluoranthene	PPB	50,000	150	U	20000		540		140	U	150	U	4400		150	U	150	U	140	U	140	U
Fluorene	PPB	50,000	280		1000		140	U	140	U	150	U	390		150	U	150	U	140	U	140	U
Hexachlorobenzene	PPB	410	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Hexachlorobutadiene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Hexachlorocyclopentadie	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Hexachloroethane	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Indeno(1,2,3-c,d)pyrene	PPB	3,200	150	U	5100		140	U	140	U	150	U	970		150	U	150	U	140	U	140	U
Isophorone	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Naphthalene	PPB	4,400	150	U	880		140	U	140	U	150	U	360		150	U	150	U	140	U	140	U
Nitrobenzene	PPB	13,000	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
N-Nitrosodimethylamine	PPB	200 or MDL	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
N-Nitrosodi-n-propylamin	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
N-Nitrosodiphenylamine	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Pentachlorophenol	PPB	1000 or MDL	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Phenanthrene	PPB	50,000	500		15000		630		140	U	150	U	4200		150	U	150	U	140	U	140	U
Phenol	PPB	30 or MDL	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Pyrene	PPB	50,000	510		20000		480		140	U	150	U	3800		150	U	150	U	140	U	140	U
Pyridine	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U

NOTE:
ug/kg - Micrograms per kilogram
U - Analyte not detected
Bold - Detection concentration = or > TAGM RSCOs

Table 3 - PCBs and Total Metals in Soil Results
Site M

American Analytical Laboratories, LLC.
WorkOrder: 0512262
Project: Site M / 7 West

Client Sample ID: / Laboratory ID: / Sampling Date: / Analyte:	Units:	TAGM Soil Cleanup Objectives	TAGM EPA Health Based Criteria	GP-1 [0-15' Composite] 0512262-01 12/22/2005	Q	GP-2 [0-24' Composite] 0512262-02 12/22/2005	Q	GP-7 [0-16' Composite] 0512262-03 12/22/2005	Q	GP-9 [0-30' Composite] 0512262-04 12/22/2005	Q	GP-10 [0-28' Composite] 0512262-05 12/22/2005	Q	GP-6 [0-26' Composite] 0512262-06 12/22/2005	Q	GP-8 [0-24' Composite] 0512262-07 12/22/2005	Q	GP-4 [0-24' Composite] 0512262-08 12/22/2005	Q	GP-5 [0-16' Composite] 0512262-09 12/22/2005	Q	GP-3 [0-27' Composite] 0512262-10 12/22/2005	Q
PCBs		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Aroclor 1016	PPB	1,000		99	U	97	U	95	U	94	U	97	U	95	U	98	U	100	U	96	U	96	U
Aroclor 1221	PPB	1,000		99	U	97	U	95	U	94	U	97	U	95	U	98	U	100	U	96	U	96	U
Aroclor 1232	PPB	1,000		99	U	97	U	95	U	94	U	97	U	95	U	98	U	100	U	96	U	96	U
Aroclor 1242	PPB	1,000		99	U	97	U	95	U	94	U	97	U	95	U	98	U	100	U	96	U	96	U
Aroclor 1248	PPB	1,000		99	U	97	U	95	U	94	U	97	U	95	U	98	U	100	U	96	U	96	U
Aroclor 1254	PPB	1,000		99	U	97	U	95	U	94	U	97	U	95	U	98	U	100	U	96	U	96	U
Aroclor 1260	PPB	1,000		99	U	97	U	95	U	94	U	97	U	95	U	98	U	100	U	96	U	96	U
Metals		mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Aluminum	PPM	SB	33,000	5560		5550		5630		7650		9070		6650		5540		6350		4630		7670	
Antimony	PPM			0.581	U	0.626		0.585	U	0.514	J	0.626		0.551	U	0.580	U	0.596	U	0.580	U	0.554	U
Arsenic	PPM	7.5	7.5 or SB	3.34		5.04		10.6		2.19		2.84		1.59		2.64		2.86		3.41		2.40	
Barium	PPM	300 or SB	15 - 600	133		811		64.4		74.3		68.9		76.9		62.2		346		30.6		68.6	
Beryllium	PPM	0.16 (HEAST) or SB	0 - 1.75	0.465	U	0.481	U	0.468	U	0.429	U	0.446	U	0.441	U	0.464	U	0.478	U	0.464	U	0.444	U
Cadmium	PPM	1 or SB	0.1 - 1	0.385		0.825		0.234	U	0.215	U	0.223	U	0.220	U	0.232	U	0.252		2.59		0.222	U
Calcium	PPM	SB	130 - 35,000	30800		9930		22100		1180		1510		1160		24100		10600		31800		2130	
Chromium	PPM	10 or SB	1.5 - 40	12.0		20.1		10.3		12.8		17.3		12.9		9.70		13.6		6.46		13.0	
Cobalt	PPM	30 or SB	2.5 - 60	10.5		10.6		10.4		10.3		12.7		12.2		9.06		10.6		4.93		10.1	
Copper	PPM	25 or SB	1.0 - 50	12.7		29.8		13.1		15.9		19.9		19.1		14.6		30.8		5.10		14.6	
Iron	PPM	2000 or SB	2,000 - 550,000	12300		13500		16100		12700		16300		10500		10500		9770		3870		12100	
Lead*	PPM	SB		147		785		43.8		16.7		41.0		19.1		16.8		285		14.2		51.7	
Magnesium	PPM	SB	100 - 5,000	2810		2830		2320		2160		2880		2900		2480		2970		4740		2400	
Manganese	PPM	SB	50 - 5,000	642		277		465		230		273		451		176		183		241		196	
Mercury	PPM	0.1	N/A	0.229		1.04		0.288		0.0265		0.121		0.0119	U	0.100		0.170		0.0878		0.195	
Nickel	PPM	13 or SB	0.5 - 25	11.9		15.7		10.2		10.6		15.5		22.4		11.7		12.2		8.74		11.8	
Potassium	PPM	SB	8,500 - 43,000	1880		1650		1280		1540		1850		1490		2450		2760		990		1440	
Selenium	PPM	2 or SB	0.1 - 3.9	0.581	U	0.602	U	0.585	U	0.536	U	0.558	U	0.551	U	0.580	U	0.598	U	0.580	U	0.554	U
Silver	PPM	SB	N/A	0.465	U	0.847		0.468	U	0.429	U	0.446	U	0.441	U	0.464	U	0.232	J	0.464	U	0.444	U
Sodium	PPM	SB	6,000 - 8,000	309		337		249		189		240		211		222		263		738		179	
Thallium	PPM	SB		0.348	U	0.361	U	0.351	U	0.322	U	0.335	U	0.331	U	0.348	U	0.359	U	0.348	U	0.333	U
Vanadium	PPM	150 or SB	1-300	16.3		20.1		15.9		19.1		25.0		16.4		15.7		23.1		12.5		17.0	
Zinc	PPM	20 or SB	9.0 - 50	153		395		36.5		34.1		49.2		25.4		40.9		205		836		41.7	

NOTE:
ug/kg - micrograms per kilogram
U - Analyte not detected at method detection level
Lead* - Average levels of lead in metropolitan areas or suburban areas or areas near highways usually range from 200 to 500 ppm.
TAGM - Technical and Administrative Guidance Memorandum #4046 Recommended Soil Clean Up Objectives (RSCOs)
Bold - Detection contration equals of exceeds TAGM RSCOs

Table 4 - Summary of Pesticides and RCRA Charateristics In Soil - Site M

American Analytical Laboratories, LLC.
WorkOrder: 0512262
Project: Site M / 7 West

Client Sample ID: / Laboratory ID: / Sampling Date: / Analyte:	Units:	TAGM Soil Cleanup Objectives (ug/kg)	GP-1 [0-15' Composite] 0512262-01 12/22/2005 (ug/kg)	Q	GP-2 [0-24' Composite] 0512262-02 12/22/2005 (ug/kg)	Q	GP-7 [0-16' Composite] 0512262-03 12/22/2005 (ug/kg)	Q	GP-9 [0-30' Composite] 0512262-04 12/22/2005 (ug/kg)	Q	GP-10 [0-28' Composite] 0512262-05 12/22/2005 (ug/kg)	Q	GP-6 [0-28' Composite] 0512262-06 12/22/2005 (ug/kg)	Q	GP-8 [0-24' Composite] 0512262-07 12/22/2005 (ug/kg)	Q	GP-4 [0-24' Composite] 0512262-08 12/22/2005 (ug/kg)	Q	GP-5 [0-16' Composite] 0512262-09 12/22/2005 (ug/kg)	Q	GP-3 [0-27' Composite] 0512262-10 12/22/2005 (ug/kg)	Q
Pesticides - Compound Name																						
4,4'-DDD	PPB	2,900	6.2	U	8.8		2.4	J	5.8	U	6.0	U	5.9	U	4.3	J	140		6.0	U	6.0	U
4,4'-DDE	PPB	2,100	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	470		6.0	U	6.0	U
4,4'-DDT	PPB	2,100	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	3000		6.0	U	6.0	U
Aldrin	PPB	41	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
alpha-BHC	PPB	110	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
beta-BHC	PPB	200	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Chlordane	PPB	540	19	U	18	U	120		130		18	U	18	U	280		560		2500		5000	
Chlorobenzilate	PPB		6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
DBCP	PPB		6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
delta-BHC	PPB	300	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Dieldrin	PPB	2,100	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Endosulfan I	PPB	900	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Endosulfan II	PPB	900	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Endosulfan sulfate	PPB	1,000	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Endrin	PPB	100	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Endrin aldehyde	PPB		6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Endrin ketone	PPB		6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
gamma-BHC	PPB	60	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Heptachlor	PPB	100	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Heptachlor epoxide	PPB	20	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Hexachlorobenzene	PPB		6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Hexachlorocyclopentad	PPB		6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Methoxychlor	PPB	10,000	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Toxaphene	PPB		59	U	58	U	57	U	56	U	58	U	57	U	59	U	60	U	58	U	58	U
RCRA Characteristics		**RCRA Standard for Characteristic Hazardous Waste**																				
Corrosivity Characteristic																						
pH	pH Units	>2 and >12.5 pH	9.40		8.80		8.10		7.50		7.90		7.60		7.70		8.60		7.60		8.70	
Ignitability Characteristic																						
Ignitability	°F	140 F	140	U	140	U	140	U	140	U	140	U	140	U	140	U	140	U	140	U	140	U
Percent Moisture	wt%		19.1		17.6		15.5		14.6		17.6		16.0		18.0		20.5		16.8		16.8	
Reactivity Characteristic																						
Reactive Cyanide	PPM	250 mg/kg	0.124	U	0.121	U	0.118	U	0.117	U	0.121	U	0.119	U	0.122	U	0.126	U	0.120	U	0.120	U
Reactive Sulfide	PPM	500 mg/kg	2.47	U	2.43	U	2.37	U	2.34	U	2.43	U	2.38	U	2.44	U	2.51	U	2.41	U	2.40	U

NOTE:
ug/kg - micrograms per kilogram
U - Analyte not detected at method detection level
Lead* - Average levels of lead in metropolitan areas or suburban areas or areas near highways usually range from 200 to 500 ppm.
TAGM - Technical and Administrative Guidance Memorandum #4046 Recommended Soil Clean Up Objectives (RSCOs)
Bold - Detection contration equals of exceeds TAGM RSCOs

Table 5 - Summary of VOCs in Groundwater Site M

American Analytical Laboratories, LLC.

WorkOrder: 0512254

Project: 7 West / Site M

Client Sample ID: Laboratory ID: Sampling Date: Analyte:	Units:	NYSDEC TOGS Criteria (ug/L)	GW-1 [GP-2] 0512254-01 12/22/2005 (ug/L)	Q	GW-2 [FD303W] 0512254-02 12/22/2005 (ug/L)	Q	GW-3 [GP-9] 0512254-03 12/22/2005 (ug/L)	Q
VOCs - Compound Name								
1,1,1-Trichloroethane	PPB	5	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	PPB	5	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	PPB	1	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	PPB	5	1.0	U	1.0	U	1.0	U
1,1-Dichloroethene	PPB	5	1.0	U	1.0	U	1.0	U
1,1-Dichloropropane	PPB	1	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	PPB	1	1.0	U	1.0	U	1.0	U
2-Butanone	PPB	50	1.0	U	1.0	U	1.0	U
2-Hexanone	PPB	50	1.0	U	1.0	U	1.0	U
Acetone	PPB	50	1.0	U	1.0	U	1.0	U
Benzene	PPB	1	1.0		**2.7**		1.0	U
Bromodichloromethane	PPB	50	1.0	U	1.0	U	1.0	U
Bromoform	PPB	50	1.0	U	1.0	U	1.0	U
Bromomethane	PPB	5	1.0	U	1.0	U	1.0	U
Carbon disulfide	PPB	60	1.0	U	1.0	U	1.0	U
Carbon tetrachloride	PPB	5	1.0	U	1.0	U	1.0	U
Chlorobenzene	PPB	5	1.0	U	1.0	U	1.0	U
Chloroethane	PPB	5	1.0	U	1.0	U	1.0	U
Chloroform	PPB	7	1.0	U	1.0	U	1.0	U
Chloromethane	PPB	5	1.0	U	1.0	U	1.0	U
cis-1,2-Dichloroethene	PPB	5	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	PPB	0.4	1.0	U	1.0	U	1.0	U
Dibromochloromethane	PPB	50	1.0	U	1.0	U	1.0	U
Ethylbenzene	PPB	5	**5.9**		1.0	U	1.0	U
m,p-Xylene	PPB	5	2.4		2.0	U	2.0	U
Methylene chloride	PPB	5	3.8	B	3.2	B	3.6	B
Naphthalene	PPB	10	4.8		1.0	U	1.0	U
o-Xylene	PPB	5	1.0	U	1.0	U	1.0	U
Styrene	PPB	5	1.0	U	1.0	U	1.0	U
Tetrachloroethene	PPB	5	1.0	U	1.0	U	1.0	U
Toluene	PPB	5	2.8		1.0	U	1.0	U
trans-1,2-Dichloroethene	PPB	5	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	PPB	0.4	1.0	U	1.0	U	1.0	U
Trichloroethene	PPB	5	1.0	U	1.0	U	1.0	U
Vinyl chloride	PPB	2	1.0	U	1.0	U	1.0	U

NOTE:

ug/L - Micrograms per liter

U - Not detected at method detection level

Bold - Concentrations meet or exceed TOGS

Table 6 - Summary of SVOCs in Groundwater Site M

American Analytical Laboratories, LLC.
WorkOrder: 0512254
Project: 7 West / Site M

Client Sample ID:			NYSDEC	GW-1 [GP-2]		GW-2 [FD303W]		GW-3 [GP-9]	
Laboratory ID:			TOGS	0512254-01		0512254-02		0512254-03	
Sampling Date:			Criteria	12/22/2005		12/22/2005		12/22/2005	
Analyte:	Units:		(ug/L)	(ug/L)	Q	(ug/L)	Q	(ug/L)	Q
SVOCs - Compound Name									
1,2,4-Trichlorobenzene	PPB		5	10	U	10	U	10	U
1,2-Dichlorobenzene	PPB		3	10	U	10	U	10	U
1,3-Dichlorobenzene	PPB		3	10	U	10	U	10	U
1,4-Dichlorobenzene	PPB		3	10	U	10	U	10	U
2,4-Dichlorophenol	PPB		5	10	U	10	U	10	U
2,4-Dimethylphenol	PPB		50	10	U	10	U	10	U
2,4-Dinitrophenol	PPB		10	40	U	40	U	40	U
2,4-Dinitrotoluene	PPB		5	10	U	10	U	10	U
2,6-Dinitrotoluene	PPB		0.07	10	U	10	U	10	U
2-Chloronaphthalene	PPB		10	10	U	10	U	10	U
2-Chlorophenol	PPB			10	U	10	U	10	U
2-Methylnaphthalene	PPB		4.7	10	U	10	U	10	U
2-Methylphenol	PPB			10	U	10	U	10	U
2-Nitroaniline	PPB		5	10	U	10	U	10	U
2-Nitrophenol	PPB			10	U	10	U	10	U
3,3'-Dichlorobenzidine	PPB		5	10	U	10	U	10	U
+4-Methylphenol	PPB			10	U	10	U	10	U
3-Nitroaniline	PPB		5	10	U	10	U	10	U
4,6-Dinitro-2-methylphenol	PPB			10	U	10	U	10	U
4-Bromophenyl phenyl ether	PPB			10	U	10	U	10	U
4-Chloro-3-methylphenol	PPB			10	U	10	U	10	U
4-Chloroaniline	PPB		5	10	U	10	U	10	U
4-Chlorophenyl phenyl ether	PPB			10	U	10	U	10	U
4-Nitroaniline	PPB		5	10	U	10	U	10	U
4-Nitrophenol	PPB			10	U	10	U	10	U
Acenaphthene	PPB		20	10	U	10	U	10	U
Acenaphthylene	PPB			10	U	10	U	10	U
Aniline	PPB			40	U	40	U	40	U
Anthracene	PPB		50	10	U	10	U	10	U
Azobenzene	PPB			10	U	10	U	10	U
Benzidine	PPB			40	U	40	U	40	U
Benzo(a)anthracene	PPB		0.002	10	U	10	U	10	U
Benzo(a)pyrene	PPB		0.002	10	U	10	U	10	U
Benzo(b)fluoranthene	PPB		0.002	10	U	10	U	10	U
Benzo(g,h,i)perylene	PPB			10	U	10	U	10	U
Benzo(k)fluoranthene	PPB		0.002	10	U	10	U	10	U
Benzoic acid	PPB			40	U	40	U	40	U
Benzyl alcohol	PPB			40	U	40	U	40	U
Bis(2-chloroethoxy)methane	PPB		5	10	U	10	U	10	U
Bis(2-chloroethyl)ether	PPB		1	10	U	10	U	10	U
Bis(2-chloroisopropyl)ether	PPB			10	U	10	U	10	U

NOTE:
ug/L - Micrograms per liter
U - Not detected at method detection level
Bold Underline - Concentrations meet or exceed TO

Table 6 - Summary of SVOCs in Groundwater Site M

Client Sample ID: / Laboratory ID: / Sampling Date: / Analyte:	Units:	NYSDEC TOGS Criteria (ug/L)	GW-1 [GP-2] 0512254-01 12/22/2005 (ug/L)	Q	GW-2 [FD303W] 0512254-02 12/22/2005 (ug/L)	Q	GW-3 [GP-9] 0512254-03 12/22/2005 (ug/L)	Q
Bis(2-ethylhexyl)phthalate	PPB	5	5.4	J	10	U	10	U
Butyl benzyl phthalate	PPB	50	10	U	10	U	10	U
Carbazole	PPB		10	U	10	U	10	U
Chrysene	PPB	0.002	10	U	10	U	10	U
Dibenzo(a,h)anthracene	PPB		10	U	10	U	10	U
Dibenzofuran	PPB		10	U	10	U	10	U
Diethyl phthalate	PPB	50	10	U	10	U	10	U
Dimethyl phthalate	PPB	50	10	U	10	U	10	U
Di-n-butyl phthalate	PPB	50	10	U	10	U	10	U
Di-n-octyl phthalate	PPB	50	10	U	10	U	10	U
Fluoranthene	PPB	50	10	U	10	U	10	U
Fluorene	PPB	50	10	U	10	U	10	U
Hexachlorobenzene	PPB	0.04	10	U	10	U	10	U
Hexachlorobutadiene	PPB	0.5	10	U	10	U	10	U
Hexachlorocyclopentadiene	PPB	5	10	U	10	U	10	U
Hexachloroethane	PPB	5	10	U	10	U	10	U
Indeno(1,2,3-c,d)pyrene	PPB	0.002	10	U	10	U	10	U
Isophorone	PPB	50	10	U	10	U	10	U
Naphthalene	PPB	10	10	U	10	U	10	U
Nitrobenzene	PPB	0.4	10	U	10	U	10	U
N-Nitrosodimethylamine	PPB		10	U	10	U	10	U
N-Nitrosodi-n-propylamine	PPB		10	U	10	U	10	U
-Nitrosodiphenylamine	PPB	50	10	U	10	U	10	U
Pentachlorophenol	PPB	1	10	U	10	U	10	U
Phenanthrene	PPB	50	10	U	10	U	10	U
Phenol	PPB	1	10	U	10	U	10	U
Pyrene	PPB	50	10	U	10	U	10	U

NOTE:

ug/L - Micrograms per liter

U - Not detected at method detection level

Bold Underline - Concentrations meet or exceed TOGS

Table 7 - Summary of PCBs and Metals in Groundwater

American Analytical Laboratories, LLC.
WorkOrder: 0512254
Project: 7 West / Site M

Client Sample ID: Laboratory ID: Sampling Date: Analyte:	Units:	NYSDEC TOGS Criteria (ug/L)	GW-1 [GP-2] 0512254-01 12/22/2005 (ug/L)	Q	GW-2 [FD303W] 0512254-02 12/22/2005 (ug/L)	Q	GW-3 [GP-9] 0512254-03 12/22/2005 (ug/L)	Q
PCBs - Compound Name								
Aroclor 1016	PPB	0.09	1.0	U	1.0	U	1.0	U
Aroclor 1221	PPB	0.09	1.0	U	1.0	U	1.0	U
Aroclor 1232	PPB	0.09	1.0	U	1.0	U	1.0	U
Aroclor 1242	PPB	0.09	1.0	U	1.0	U	1.0	U
Aroclor 1248	PPB	0.09	1.0	U	1.0	U	1.0	U
Aroclor 1254	PPB	0.09	1.0	U	1.0	U	1.0	U
Aroclor 1260	PPB	0.09	1.0	U	1.0	U	1.0	U
Metals - Compound Name								
Mercury	PPM	0.7	0.000200	U	N/A		0.000200	U
Aluminum	PPM	100	104		N/A		268	
Antimony	PPM	3	0.0250	U	N/A		0.0250	U
Arsenic	PPM	25	0.0495		N/A		0.113	
Barium	PPM	1,000	3.94		N/A		5.81	
Beryllium	PPM	3	0.0200	U	N/A		0.0200	U
Cadmium	PPM	5	0.0100	U	N/A		0.0100	U
Calcium	PPM		120		N/A		235	
Chromium	PPM	50	0.645		N/A		1.27	
Cobalt	PPM	5	0.208		N/A		0.375	
Copper	PPM	200	0.526		N/A		1.32	
Iron	PPM	300	169		N/A		559	
Lead	PPM	25	0.612		N/A		1.35	
Magnesium	PPM	35,000	119		N/A		208	
Manganese	PPM	300	8.51		N/A		16.4	
Nickel	PPM	100	0.387		N/A		0.717	
Potassium	PPM		91.0		N/A		112	
Selenium	PPM	10	0.0250	U	N/A		0.0250	U
Silver	PPM	50	0.0200	U	N/A		0.0200	U
Sodium	PPM	20,000	176		N/A		183	
Thallium	PPM	0.5	0.0150	U	N/A		0.0150	U
Vanadium	PPM	14	0.319		N/A		0.707	
Zinc	PPM	2,000	3.59		N/A		11.4	

NOTE:
ug/L - Micrograms per liter
U - Not detected at method detection level
Bold Underline - Concentrations meet or exceed TOGS

Table 8 - Summary of NYCDEP Limitations for Effluent to Sanitary or Combined Sewers
Site M

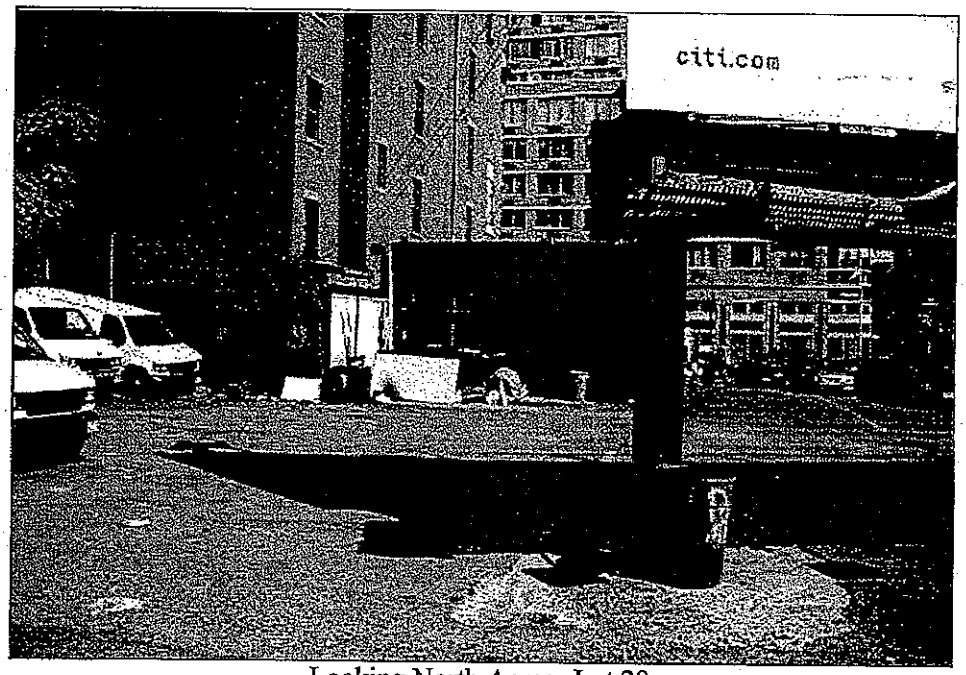
American Analytical Laboratories, LLC.
WorkOrder: 0512254
Project: 7 West / Site M

Client Sample ID: Laboratory ID: Sampling Date: Analyte:	Units:	NYC DEP Sewer Discharge Limits (mg/L)	GW-1 [GP-2] 0512254-01 12/22/2005 (mg/L)	Q	GW-2 [FD303W] 0512254-02 12/22/2005 (mg/L)	Q	GW-3 [GP-9] 0512254-03 12/22/2005 (mg/L)	Q
Groundwater Characteristics								
pH	pH Units	5-11	7.12				7.10	
SGT-HEM (Non-Polar Material)	PPM	50		U		U	'1.40	U
Ignitability	°F	>140	>140	U			>140	U
Compounds								
Mercury	PPM	50	0.000200	U			0.000200	U
Aroclor 1016 (PCBs)	PPB	1	1.0	U	1.0	U	1.0	U
Aroclor 1221 (PCBs)	PPB	1	1.0	U	1.0	U	1.0	U
Aroclor 1232 (PCBs)	PPB	1	1.0	U	1.0	U	1.0	U
Aroclor 1242 (PCBs)	PPB	1	1.0	U	1.0	U	1.0	U
Aroclor 1248 (PCBs)	PPB	1	1.0	U	1.0	U	1.0	U
Aroclor 1254 (PCBs)	PPB	1	1.0	U	1.0	U	1.0	U
Aroclor 1260 (PCBs)	PPB	1	1.0	U	1.0	U	1.0	U
Naphthalene	PPB	47	10	U	10	U	10	U
Cadmium	PPM	2 / 0.69	0.0100	U			0.0100	U
Chromium	PPM	5	0.645				1.27	
Copper	PPM	5	0.526				1.32	
Lead	PPM	2	0.612				1.35	
Nickel	PPM	3	0.387				0.717	
Zinc	PPM	5	3.59				**11.4**	
Benzene	PPB	134	1.0		2.7		1.0	U
Carbon tetrachloride	PPB		1.0	U	1.0	U	1.0	U
Chloroform	PPB		1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	PPB		1.0	U	1.0	U	1.0	U
Ethylbenzene	PPB	380	5.9		1.0	U	1.0	U
m,p-Xylene	PPB	74	2.4		2.0	U	2.0	U
Methyl tert-butyl ether (MTBE)	PPB	50	4.7		1.0	U	1.0	U
Phenol	PPB		10	U	10	U	10	U
o-Xylene	PPB	74	1.0	U	1.0	U	1.0	U
Tetrachloroethene (Perc)	PPB	20	1.0	U	1.0	U	1.0	U
Toluene	PPB	74	2.8		1.0	U	1.0	U
1,2,4-Trichlorobenzene	PPB		1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	PPB		1.0	U	1.0	U	1.0	U
Suspended Solids (Residue, Non-	PPM	350	**12700**				**7610**	
CBOD	PPM		33.0	U			42	

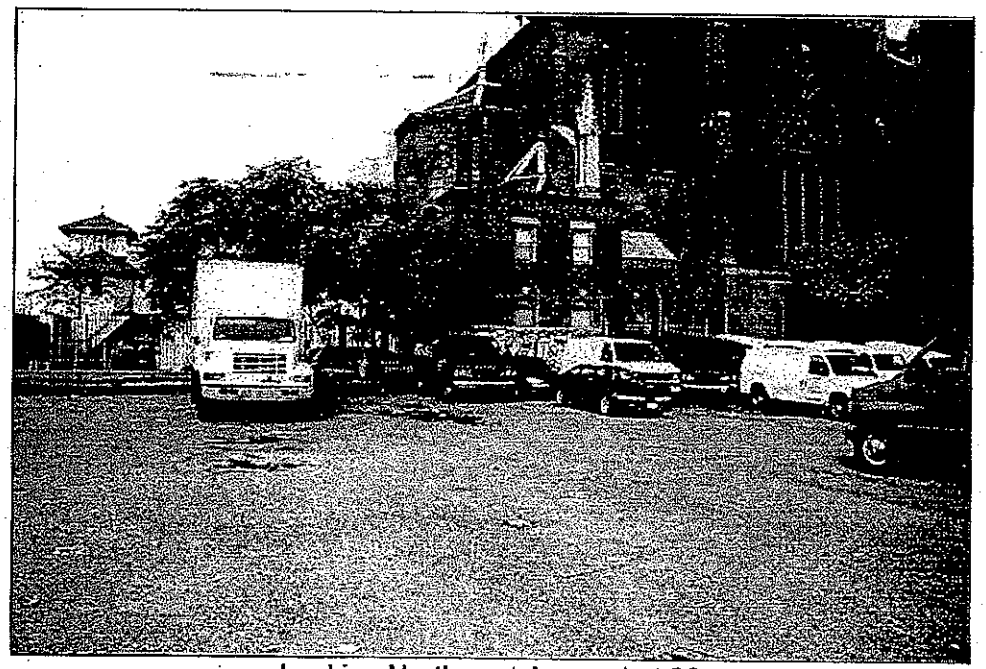
NOTE:
ug/L - Micrograms per liter
U - Not detected at method detection level
Bold - Concentrations meet or exceed NYCDEP Discharge Standards

APPENDIX A

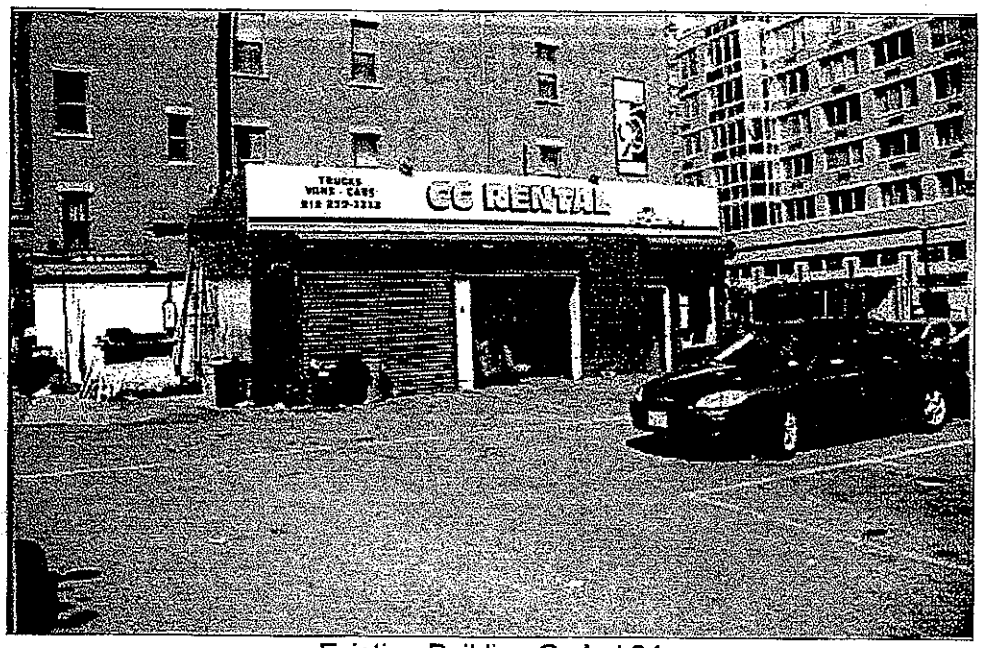
SITE PHOTOGRAPHS



Looking North Across Lot 29

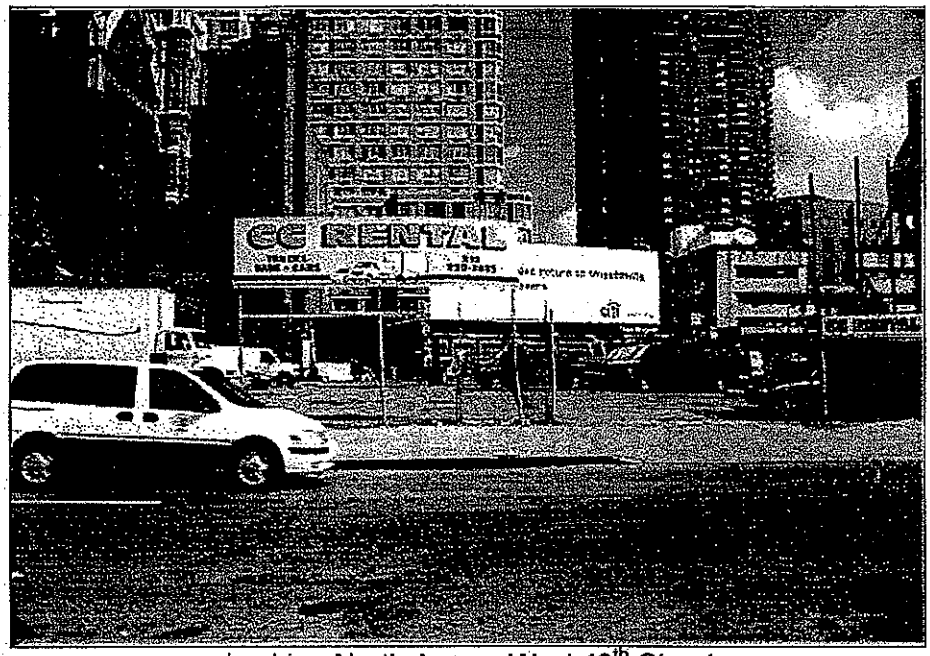


Looking Northwest Across Lot 29

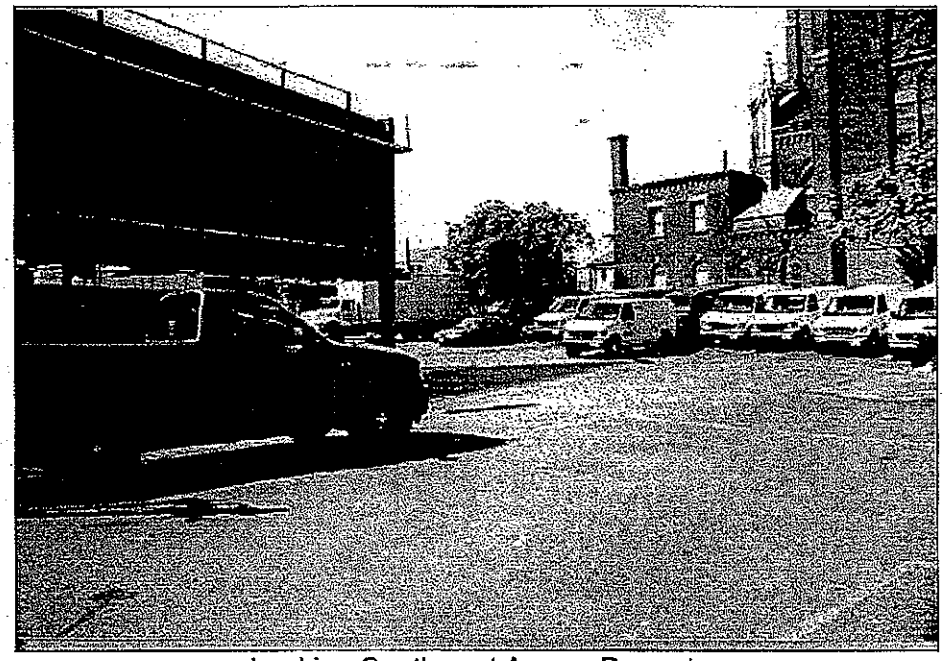


Existing Building On Lot 34

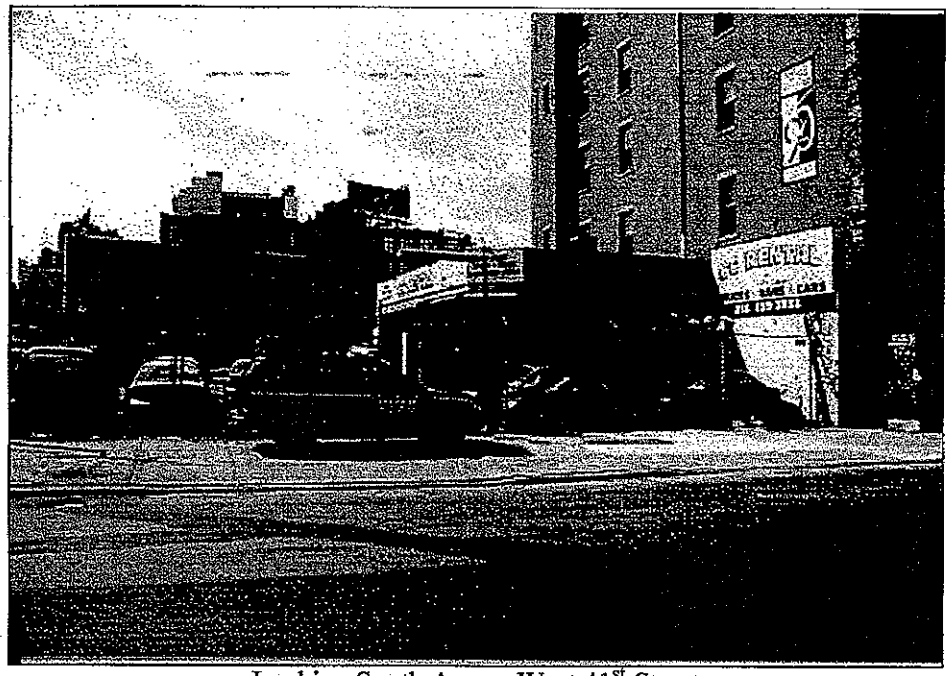
Looking West Across Lot 29



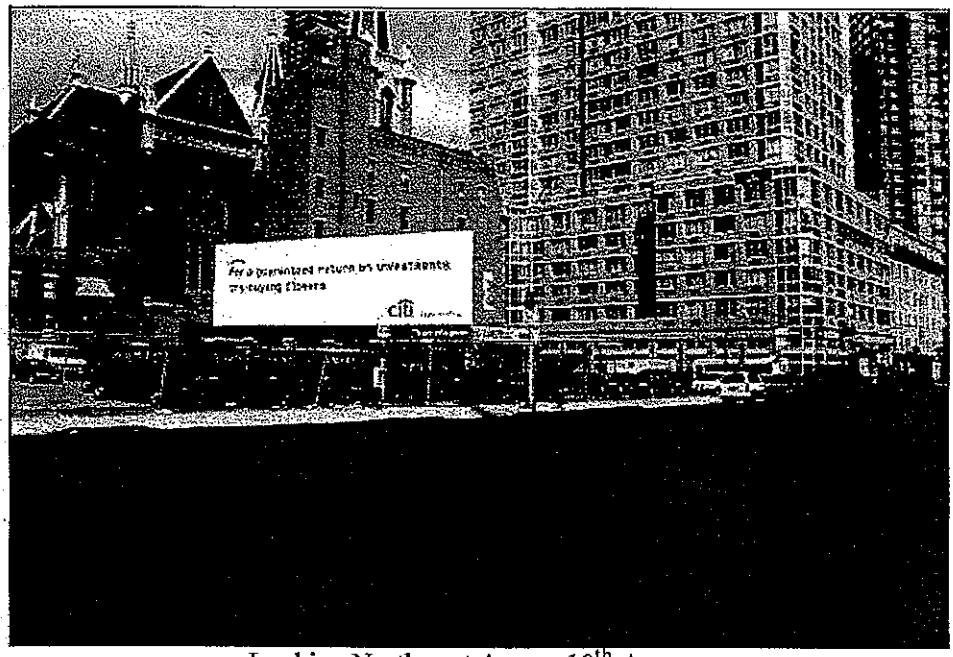
Looking North Across West 40th Street



Looking Southwest Across Property



Looking South Across West 41st Street



Looking Northwest Across 10th Avenue

ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

Subject Property:

Commercial Property
547-551 Tenth Ave.
Block 1069, Lots 29 & 34
New York City, New York

Prepared For:

Solil Management, LLC
640 5th Avenue, 3rd Floor
New York, New York 10019

Prepared By:

Atlantic Environmental Solutions, Inc.
5 Marine View Plaza, Suite 303
Hoboken, New Jersey 07030
Phone: (201) 876-9400 Fax: (201) 876-9563

July 2010

TABLE OF CONTENTS

TABLE OF CONTENTS
(continued)

TABLE OF CONTENTS
(continued)

LIST OF FIGURES

LIST OF ATTACHMENTS

1.0 INTRODUCTION

Atlantic Environmental Solutions, Inc. (AESI) was retained by Solil Management LLC, to conduct a Phase I Environmental Site Assessment ("assessment" or "Phase I ESA") of the property located within the Borough of Manhattan at 547-551 10th Avenue, New York, New York ("subject property" or "site"). The subject property is currently utilized as a Metropolitan Transit Authority construction yard. The property is improved with one structure, formerly utilized as an auto repair shop. The subject property has a rectangular footprint that is approximately 100 feet wide (along West 40th Street) and 200 feet long (along 10th Avenue), covering an area of approximately 20,000 square feet. Where it is not covered by structures, the lot is covered by asphalt, concrete and dirt. The subject property is identified on local tax maps as Block 1069, Lots 29 & 34. A Site Location Map is provided as Figure 1, and photographs of the property are included within Attachment A.

1.1 PURPOSE

The objective of the assessment is to develop an initial summary of the actual and potential environmental liabilities associated with the subject property through visual analysis, review of readily available information, and review of past and present land use in the vicinity. Specifically, AESI performed the assessment to identify the presence of hazardous substances, petroleum products, or conditions that indicate an existing or past discharge of hazardous substances or petroleum products onto the ground, ground water, surface water, or structures located on the subject property.

1.2 SCOPE OF ASSESSMENT AND METHODOLOGY USED

The Phase I Environmental Site Assessment was prepared in accordance with the general requirements developed by the American Society for Testing and Materials (ASTM) as presented in the *Standard Practice for Phase I Environmental Assessments* (E1527-05). This report provides a general characterization of the subject property based on readily available information obtained from: an inspection of the property, a review of available records, interviews with facility personnel, and interviews with relevant regulatory officials. This report provides documentation of the assessment, a summary of all identified areas of environmental concern, and recommendations for further action, where warranted.

AESI performed an inspection of the subject property on June 22, 2010. The site reconnaissance was performed to determine if there were obvious, visual indications of present or past activities which have, or could have, contaminated the site. The site inspection included a visual assessment of the exterior of the site structure and observations of neighboring properties made from the perimeter of the subject property.

1.3 LIMITATIONS, LIMITING CONDITIONS, AND EXCEPTIONS

This assessment included communication with relevant Federal, State, and local regulatory agencies, and a review of readily available historical information. It was not the purpose of this assessment to determine the actual presence, degree, or extent of contamination, if any, on the subject property. The assessment was not intended to identify all *de minimis* conditions that do not present a material risk of harm to public health or the environment that would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. In general, recognized environmental conditions requiring further investigation consist of those areas where a discharge is suspected to have resulted in the contamination of soil, groundwater, or surface water at concentrations above applicable State or Federal cleanup criteria.

The assessment did not include an evaluation for the presence or absence of radon, asbestos, freshwater wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, high voltage power lines, lead-based paint, lead in drinking water, or other non-scope considerations as defined by the ASTM standard practice E1527-05.

1.4 REASON FOR PERFORMING PHASE I

This assessment has been performed for the purpose of satisfying one of the requirements to qualify for the innocent land owner defense to Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability.

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 LOCATION AND LEGAL DESCRIPTION

The subject property is located within the Borough of Manhattan at 547-551 10th Avenue, New York, New York. The subject property is bound to the west by a church, to the south by West 40th Street followed by a bus parking lot, to the east by 10th Avenue, followed by a multistory building occupied by Covenant House New York, to the north by West 41st Street followed by residential and commercial properties.

The subject property is identified on local tax maps as Block 1069, Lots 29 & 34. The subject property has a rectangular footprint that is approximately 100 feet wide (along West 40th Street) and 200 feet long (along 10th Avenue), covering an area of approximately 20,000 square feet. The subject property is currently utilized as a Metropolitan Transit Authority construction yard. The property is improved with one structure, formerly utilized as an auto repair shop. The lot is currently identified as 547-551 10th Avenue on the NYC Tax Database, but has historically included addresses from 537-551 10th Avenue. Refer to Figure 1 for general site location.

2.2 ENVIRONMENTAL SETTING

2.2.1 Regional Topography, Geology, and Hydrogeology

According to the United States Geological Survey (USGS), the subsurface geology in the area of the site consist of glacial till and outwash deposit sediments that overlie the Manhattan Shist, the uppermost bedrock unit at the site.

Saturated layers impacted by salt water intrusion are typically present in the overburden. It is generally inferred that the depth to the uppermost aquifer is greater than 30 feet at the surface of the bedrock/sediment interface.

2.2.2 Local Topography, Geology, and Hydrogeology

Site specific geologic and hydrogeologic characteristics/conditions have not been determined. However, it is anticipated that the site stratigraphy will be consistent with the regional lithology. The local topography is generally flat sloping gently to the south. The property elevation is approximately 23 feet above mean sea level (msl).

In a general way, the shallow ground water table typically conforms to surface topography (USEPA - EPA/625/6-90/016a, September, 1990).

2.2.3 Site Soils

According to soil boring logs prepared by PB (Parsons Brinckerhoff) Team (environmental consultant for the MTA) and reviewed by AESI, shallow soils at the property are characterized as urban fill material. The soils contain building debris, bricks, and cinders consistent with fill materials used to raise the elevation of sections of Manhattan adjacent to the Hudson River in the 18th Century.

2.3 DESCRIPTIONS OF STRUCTURES AND UTILITIES

The subject property is currently developed with one structure and is currently utilized as a Metropolitan Transit Authority construction yard. Historic records indicate that the property has been developed since at least 1890 with residential and commercial premises. Adjacent properties have been developed since at least 1890 with a coal yard and a Catholic Church. The subject property is currently developed with one (1) structure, a former automobile service shop and adjoining office area. The property is serviced by city water, sanitation and Consolidated Edison utilities. It is not known if these utilities are currently being used at the property by the MTA contractors operating the property as a construction yard.

2.4 ENVIRONMENTAL LIENS

Based on available information, no environmental liens are currently held against the subject property. No Federal Superfund liens were identified in the background information search.

2.5 CURRENT USES OF PROPERTY

2.5.1 Description of Operations

The subject property is currently utilized as a Metropolitan Transit Authority construction yard. The subject property was formerly used as an automobile repair shop and truck rental facility. The site reportedly also operated as a gas station until approximately June 1995 when the underground storage tanks were removed and disposed of.

2.5.2 Raw Materials

No raw materials were reported on the subject property during the site inspection, however, construction materials and petroleum products used in the maintenance of construction equipment were observed at that subject property. These materials are maintained on the site by the MTA contractors currently operating the site.

2.5.3 Wastes Generated (Annual Generator Reports and Manifests)

No hazardous wastes were observed at the subject property during the site inspection

2.5.4 Federal, State, and Local Permits and Registrations

No federal, state or local permits or registrations were provided to AESI as a result of inquiry.

2.5.5 Environmental Enforcement Actions

Based on our review of background information obtained from the correspondence and inquiries made by AESI, no environmental enforcement actions exist for the subject property. However, AESI are awaiting responses from regulatory authorities. If information is received showing an adverse environmental condition at the property, AESI will inform the client.

2.5.6 Previous Environmental Assessment or Investigation Reports

AESI reviewed sections of the *Phase II ESI Report for Site M* (subject property) prepared by PB Team for New York City Transit (the MTA); correspondence between the property owner and New York City Transit; correspondence between the property owner and the New York State Department of Environmental Conservation (NYSDEC); and photos and related documents from the removal of underground storage tanks (USTs) from the property in 1995.

In 1995, eight (8) USTs were reportedly removed from the property by Unico Service Corp., of Comack, NY. 83 tons of contaminated soil and 434 gallons of contaminated water were disposed of during the UST closure program. A discharge was reported to the NYSDEC on June 29, 1995 and Spill Case number 9503865 was assigned. It is AESI's understanding that a UST Closure Report was never submitted to the NYSDEC and that Spill Case 9503865 is still active. Please refer to Section 5 for Findings and Section 6 for Recommendations.

In 2005, PB Team, working on behalf of the Metropolitan Transit Authority New York City Transit, performed a Phase II Environmental Site Investigation at the subject property. The Phase II comprised a subsurface soil and groundwater investigation to determine if contamination in excess of standards was present prior to proposed use of the site in relation to the Number Seven (7) Subway Line Expansion. PB Team advanced ten (10) soil borings and collected three (3) groundwater samples from the site. Soil borings were advanced to depths ranging from 15 to 30 feet below ground surface. Soil Samples collected from the site were submitted for laboratory of volatile organic compounds (VOCs) and semi volatile organic compounds (SVOCs) per the NYSDEC Spill Technology and Remediation Series (STARS) List, Target Analyte List (TAL) Metals, pesticides, polychlorinated biphenyls (PCBs), asbestos and Resource Conservation and Recovery Act (RCRA) characteristics required for waste characterization and disposal. Groundwater samples were analyzed for STARS List VOCs and SVOCs, TAL Metals and PCBs.

Analysis of the soil samples identified elevated concentrations of SVOCs, pesticides and metals. Analysis of the groundwater samples reportedly identified Benzene, a VOC, and Zinc, a metal, at concentrations in excess of the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) criteria. However, review of the analytical results table in the Phase II shows that while benzene exceeds the criteria in one (1) sample, GW2, Zinc is not present in excess of the standards in any sample. Aluminum and Iron are shown to be present in excess of the TOGS criteria. AESI has not reviewed the laboratory data for these samples, only tables included in the section of the Phase II report supplied to AESI, so additional review of the data is recommended. Please see section 6 for Recommendations.

A portion of the Phase II Report has been provided in Attachment B.

2.5.7 Proceedings Involving Environmental Matters

Based on the review of background information obtained from the correspondence and inquiries made by AESI, no proceedings involving environmental matters were found for the subject property.

2.6 CURRENT USES OF ADJOINING PROPERTIES

The subject property is bound to the west a Catholic Church, to the south by West 40th Street, followed by a bus parking lot, to the east by 10th Avenue, followed by Covenant House New York, and to the north by West 41st Street, followed by residential and commercial properties.

3.0 RECORDS REVIEW, INTERVIEWS, AND CORRESPONDENCES

3.1 HISTORICAL USE INFORMATION

In order to determine the historic use of the property, AESI reviewed aerial photographs, historic topographic maps, and municipal files. Based on this review, the subject property is identified on local tax maps as Block 1069, Lot 34. The subject property is currently operated as a construction yard by MTA contractors for the Number 7 subway line expansion vacant, and was utilized as an automobile repair shop and gasoline filling station since at least 1950. Prior to that, the property was developed as a number of residential and commercial properties, including a "Tin Shop" (1950) and "Chine Laundry" (1911 until at least 1950) since at least 1890.

3.1.1 Fire Insurance Map Review

AESI contacted EDR Sanborn, Inc., the largest provider of historic fire insurance maps, requesting fire insurance maps for the site area. Fire insurance maps were available for the subject property for the years 1890, 1899, 1911, 1930, 1950, 1968, 1979, 1980, 1982, 1984, 1985, 1987, 1988, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 2001, 2002, 2003, 2004 and 2005. Copies of the Sanborn maps are provided in Attachment C of this report. The following is a brief summary of each year reviewed.

1890 - The subject property is identified as developed with five-story residential buildings identified as 537 through 551 10th Avenue. The adjacent property to the west is developed with a Catholic Church and Sunday School, a Furniture Factory and a coal yard. The adjacent property to the south across West 40th Street is developed as a brewery. The adjacent properties to the east across 10th Avenue are developed as a piano factory and four-story residential buildings. The adjacent properties to the north are developed as four and five-story residential buildings and a wall paper factory.

1899 – No significant changes are observed on the subject property or the adjacent property to the south. The coal yard and Furniture Factory previously identified on the adjacent property to the west are no longer present. No significant changes are observed on the property to the east. The Wall Paper Factory previously shown to the north has been replaced by six and seven-story residential buildings.

1911 – The property identified as 539 10th Avenue on the subject property is identified as a "Chine Laundry". No other significant changes are noted on the subject property. The property to the west has been redeveloped as a Roman Catholic Church and Sunday School. No significant changes are observed on the adjacent properties to the south, east or north.

1930 – No significant changes are observed to the subject property or the properties to the west and north. The property to the south is no longer identified as a brewery and has become furniture and cold storage warehouses. The property located on the east corner of 10th

Avenue and West 41st Street has been demolished and redeveloped, but due to the quality of the map, the current use cannot be determined.

1950 – A gasoline filling station with four (4) USTs is identified on the subject property at addresses 547-551 10th Avenue. A "Tin Shop" is identified at 541 10th Avenue. No significant changes are observed on the properties to the west and north. Access routes to the Lincoln tunnel are observed on the property to the north. Filling Stations are shown on the north and south corners of the property to the east.

1968 – The buildings at addresses 539-545 10th Avenue have been demolished. The gasoline filling station remains on the northern portion of the subject property at 547-551 10th Avenue. No significant changes are observed on the properties to the west and north. The property to the south is not shown on the 1968 Sanborn Map. The property to the east is identified as a "Narcotics Rehabilitation Center", with a filling station on the northern portion.

1979 – No significant changes are identified to the subject or adjacent properties subsequent to the 1968 Sanborn Map.

1980 - No significant changes are identified to the subject or adjacent properties subsequent to the 1979 Sanborn Map

1982 - No significant changes are identified to the subject or adjacent properties subsequent to the 1980 Sanborn Map

1984 - No significant changes are identified to the subject or adjacent properties subsequent to the 1982 Sanborn Map

1985 - No significant changes are identified to the subject or adjacent properties subsequent to the 1984 Sanborn Map

1988 – Due to the quality of the Sanborn Map, no observations can be made.

1990 – The subject property is shown to be improved with the filling station and a second building, denoted "Auto Repair". The southern portion of the lot is shown as parking. No significant changes appear evident on the adjacent properties since the 1985 Sanborn Map.

1991 – No significant changes appear evident since the 1990 Sanborn Map.

1992 - No significant changes appear evident since the 1991 Sanborn Map.

1993 - No significant changes appear evident since the 1992 Sanborn Map.

The subject property was identified with an "E Designation" Site Listing. The E designation is typically assigned to site with a history of gasoline stations, USTs or other environmental discharges and requires that the owner of the site conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before issuance of a building permit by the Department of Buildings. In addition, AESI reviewed the Final Environmental Impact Statement (EIS) for the Hudson Yards/Clinton District. A portion of the EIS has been provided in Attachment B. The subject property was identified in the EIS as Site M, a proposed location of interest in the Number 7 Subway Extension. While the site does have an E designation, contaminants identified at the site are not considered hazardous, and this site is not included in Table 14.1 of the EIS, listing sites with hazardous materials. Please see Section5 for Findings and Section 6 for recommendations.

3.3 INTERVIEWS AND CORRESPONDENCES

3.3.1 Interviews with Operator

Refer to Section 3.3.2 for further information regarding interviews conducted during the site inspection.

3.3.2 Interviews with Property Manager

AESI retained historic and current information from the subject property owner via an interview with an owner-representative. Applicable information obtained from the owner is incorporated into this report.

3.3.3 Interviews with Owner

Refer to Section 3.3.2 for further information regarding interviews conducted during the site inspection.

3.3.4 Interviews and Correspondences With Regulatory, Municipal, and Utility Officials

In addition to the EDR report, written or verbal requests for information were made to the following agencies to enhance and supplement the sources identified above:

- USEPA Region II - Freedom of Information (FOI);
- New York State Department of Environmental Conservation;
- New York City Department of Environmental Protection;
- New York City Clerk;
- New York City Building Department;
- New York City Health Department;
- New York City Fire Department;
- New York City Department of Finance;
- New York City Department of City Planning;

See Attachment G for copies of inquiry letters.

4.0 INFORMATION FROM SITE RECONNAISSANCE

AESI conducted a site inspection of the subject property on June 22, 2010. The site inspection observations are discussed in the following sections.

4.1 HAZARDOUS SUBSTANCES AND WASTES

4.1.1 Hazardous Substance Inventory and Description of Use

AESI identified 55 gallon drums in the building on the subject property. It is assumed that these drums are the property of the tenant on the site and contain petroleum liquids associated with the maintenance of construction equipment. A number of the drums were not labeled. Other containers of compressor lubricant and kerosene were observed on site. A compressed gas cylinder storage cage was also observed outside the building. No staining was identified in the vicinity of these materials. Please see Section 5 for Findings and Section 6 for Recommendations

4.1.2 Hazardous Waste Generation, Handling, and Disposal

No hazardous wastes were observed on the subject property during the site inspection.

4.1.3 Hazardous Substance and Unidentified Substance Containers

AESI identified unlabelled 55 gallons drums inside the building on the subject property. Please see Section 5 for Findings and Section 6 for Recommendations.

4.2 BULK STORAGE TANKS AND APPURTENANCES

4.2.1 Aboveground Tanks and Associated Piping

No evidence of aboveground storage tanks (ASTs) or associated piping were observed on the subject property during the site inspection.

4.2.2 Underground Tanks and Associated Piping

No evidence of underground storage tanks (USTs) was observed on the subject property during the site inspection. However, eight (8) USTs were reportedly removed from the property in 1995. At that time a discharge of petroleum was identified and reported to the NYSDEC. Contaminated soils and water were reportedly removed from the site. The NYSDEC spill case #9503865 remains active for the site. Also, during the site inspection, a MTA contractor working at the property reported that they had inadvertently accessed an underground vault, which may have

been a previously undiscovered UST. Please refer to Section 5 for Findings and Section 6 for Recommendations.

4.2.3 Storage Pads Including Drum Waste and Storage

Several fifty five (55) gallon drums and containers of lubricants and kerosene were observed on-site. Please refer to Section 5 for Findings and Section 6 for Recommendations.

4.2.4 Rail Spurs or Sidings

No rail spurs or siding were observed on the subject property during the site inspection.

4.2.5 Rail, Truck, or Other Loading and Unloading Areas

No dedicated truck loading or unloading areas were identified at the site. However, the property is currently used as a construction yard by contractors for the MTA during construction of the Number 7 subway line extension, so loading and unloading of construction materials is likely to take place on site. No obvious discharges or staining were noted during the site inspection.

4.2.6 Pump Stations, Sumps, and Pits

No pump stations, sumps or pits were observed during the site inspection.

4.2.7 Surface Lagoons and Impoundments

No surface lagoons or impoundments were observed on the subject property during the site inspection.

4.2.8 Chemical Storage Cabinets or Closets

One (1) chemical storage cabinet maintained by the tenant was observed on the subject property during the site inspection. AESI was unable to access the cabinet. No staining was observed in the vicinity of the cabinet.

4.3 DRAINAGE SYSTEMS AND AREAS

4.3.1 Surface Water Bodies

No surface water bodies were observed during the site inspection.

4.3.2 Floor Drains or Trenches and Piping

No floor drains or trenches and piping were observed during the site inspection.

4.3.3 Process Area Sinks and Piping

No process area sinks were identified during the site inspection.

4.3.4 Sanitary Sewer Collection Systems

The property is likely connected to the municipal sewer system. However, the site building is only used for storage and the sanitary restrooms are non-functioning. Portable restroom facilities are in place at the site for construction workers.

4.3.5 Septic Systems and Leach Fields

There were no septic systems or leach field observed during the site inspection.

4.3.6 Seepage Pits and Dry Wells

No seepage pits or dry wells were observed during the site inspection.

4.3.7 Storm Water Detention Ponds and Fire Water Ponds

No storm water detention ponds and fire water ponds were identified during the site inspection.

4.3.8 Drainage Swales and Culverts

No drainage swales or culverts were identified during the site inspection.

4.3.9 Roof Leaders Where Process Operations Vent To Roof

No roof leaders where process operations vent to the roof were observed during the site inspection.

4.4 DISCHARGE AND DISPOSAL AREAS

4.4.1 Solid Waste Generation and Disposal and Dumpsters

One (1) dumpster was identified on the subject property during the site inspection. The dumpster is utilized by the tenant for the disposal of construction waste. No staining was identified in the vicinity of the dumpster.

4.4.2 Sanitary and Process Waste Generation and Discharge Points

No sanitary or process waste generation and discharge points were observed during the site inspection.

4.4.3 Underground Piping, Including Industrial Process Sewers

No underground piping was observed during the site inspection and no industrial processes are conducted on the subject property.

4.4.4 Waste Piles

No waste piles were observed during the site inspection.

4.4.5 Landfills or Landfarms

No landfills or landfarms were observed on the subject property during the site inspection.

4.4.6 Open Pipe Discharges

No open pipe discharge points were observed on-site.

4.5 BUILDING INTERIOR AREAS (with a potential for discharge to the environment)

4.5.1 Waste Treatment Areas

No waste treatment areas were observed on the subject property during the site inspection.

4.5.2 Heating Units

No heating units were observed in the on site structure.

4.5.3 Sumps

No sumps were observed on the subject property during the site inspection.

4.6 OTHER SITE SPECIFIC AREAS OF CONCERN

4.6.1 Electrical Transformers and Capacitors

No electrical transformers or capacitors were observed during the site inspection.

4.6.2 Areas of Stressed Vegetation, Discolored Areas, and Odors

No stressed vegetation, discolored areas, or odors were observed on the grounds of the subject property during the site inspection.

4.6.3 Compressor Vent Discharges

No compressors were observed on the subject property during the site inspection.

4.6.4 Non-Contact Cooling Water Discharges

No non-contact cooling water discharges were observed on the subject property during the site inspection.

4.6.5 Active Or Inactive Production, Monitoring or Irrigation Wells

Three (3) monitoring wells were identified during the site inspection. These wells may have been installed as part of the PB Phase II, but AESI has no further information regarding their construction or use. Please see Section 5 for Findings and Section 6 for Recommendations.

4.6.6 Weighing Stations

No weighing stations were observed on the subject property during the site inspection.

4.6.7 Hydraulic Lifts

In-ground hydraulic lifts were observed within the former service building at the site. Please see Section 5 for Findings and Section 6 for Recommendations.

4.7 ADDITIONAL SERVICES

No additional services were requested by the client.

5.0 FINDINGS

5.1 DE MINIMIS ENVIRONMENTAL CONDITIONS

Conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies are deemed de minimis conditions by the ASTM standard.

- No de minimis conditions were discovered by AESI during the inspection.

5.2 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

Historical Recognized Environmental Conditions are conditions that in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.

- No Historical Recognized Environmental Conditions were discovered by AESI during the inspection.

5.3 RECOGNIZED ENVIRONMENTAL CONDITIONS

Recognized Environmental Conditions (REC) are those constituting the presence or likely presence of any hazardous substance or petroleum products under conditions that indicate an existing release, a past release, or material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property.

- The subject property was identified with an "E Designation" Site Listing. The (E) designation requires that the owner of the site conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before issuance of a building permit by the Department of Buildings. In addition, AESI reviewed the Final Environmental Impact Statement (EIS) for the Hudson Yards/Clinton District. The subject property is identified as Site M in the EIS and is a proposed site for the 10th Avenue Number 7 Line Subway Station. Chapter 14 of the EIS includes a listing of properties deemed to have hazardous waste issues AESI has reviewed this listing and the subject property is not listed as having hazardous waste issues. The subject property is identified as Site M in the EIS. Chapter 14 of the EIS has been provided in Attachment B. The subject property would require sampling and screening of volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) and metals prior to development on the property.

- The subject property has an open Spill Case #9503865 dating back to the removal of USTs from the former service station in 1995.

- During the site inspection a contractor on the site suggested that an Underground Storage Tank potentially remained in the ground at the subject property.

- Soil and Groundwater contamination are noted in a previous Phase II conducted as part of the Hudson Yards development project and Number 7 Subway Line extension. Three (3) Monitoring Wells are located at the subject property, possibly installed as part of the Phase II.

- Hydraulic lifts are located within the former service area on the subject property.

- Drums/containers of compressor lubricant and kerosene, gas cylinders and a dumpster are located on the subject property.

6.0 RECOMMENDATIONS

AESI has performed a Phase I Environmental Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of the subject property located at 547-551 10th Avenue, New York City, New York. AESI has the following recommendations based on the assessment:

- The subject property was identified with an "E Designation" Site Listing. The (E) designation requires that the owner of the site conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before issuance of a building permit by the Department of Buildings. AESI recommends the performance of a subsurface investigation to collect soil samples for analyses of VOCs, SVOCs and Metals to address the "E Designation" Site Listing for the subject property prior to any redevelopment of the subject property.

- The subject property has an open Spill Case #9503865 dating back to the removal of USTs from the former service station in 1995. AESI recommends that a Phase II subsurface investigation be conducted at the subject property to delineate any soil or groundwater impacts in the vicinity of the former USTs and preparation of a Site Investigation Report per the requirements of the NYSDEC. At a minimum, the Phase II investigation should include a soil boring program of six to ten borings in the area of the former USTs, with borings advanced to at least ten (10) feet below the invert of the former tanks.

- During the site inspection a contractor on the site suggested that an Underground Storage Tank potentially remained in the ground at the subject property. AESI recommends the use of Ground Penetration Radar (GPR) determine is an additional UST is present at the site.

- Soil and groundwater contamination is mentioned in a previous Phase II investigation by Parsons Brinckerhoff conducted as part of the Hudson Yards development project and Number 7 Subway Line extension. Three (3) Monitoring Wells were also identified at the site, possibly installed as part of the Phase II. AESI recommends that a Phase II soil and groundwater sampling program be performed to document the presence of historic fill related contaminants at the site and that the monitoring wells be properly abandoned. The sampling program should consist of at least four (4) borings to confirm the presence of non-native fill material at the site and show that these contaminants are ubiquitous across the site and are unrelated to site operations.

- Hydraulic lifts are located within the former service area on the subject property. AESI recommends investigation of the soil in the area of the hydraulic lifts, and soil sampling to determine if there is any contamination associated with them.

- AESI recommends removal and proper disposal of the drums, containers of compressor lubricant and kerosene, gas cylinders, and dumpster belonging to the tenant (MTA construction yard).

7.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

The preceding Phase I Environmental Assessment was prepared by the undersigned environmental professionals in accordance with the ASTM - Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-05) and the requirements for performing a Preliminary Assessment under N.J.A.C. 7:26E-3.1. The undersigned environmental professionals are employed by Atlantic Environmental Solutions, Inc., an environmental consulting firm located in Hoboken, New Jersey, and are qualified to conduct Phase I environmental assessments.

Jeffrey W. Anderson, CHMM
Vice President

Michael Novak
President

8.0 LIMITATIONS, QUALIFICATIONS, AND DISCLAIMERS

This report has been prepared on behalf of, and exclusively for the use of Solil Management, LLC. This report and the findings contained within shall not, in whole or in part, be distributed or conveyed to any other party without the prior consent of Atlantic Environmental Solutions, Inc.

The opinions included in this report are based on the information obtained during the assessment, our experience, and the information provided by the persons available at the site at the time of inspection familiar with the subject property. If additional information becomes available, we require the opportunity to review the information, reassess the potential environmental concerns, and modify our opinions, if necessary.

FIGURES

Commercial Property
547-551 Tenth Avenue
New York, New York

Site Location Map

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey

ATTACHMENT A

PHOTOGRAPHIC DOCUMENTATION

Attachment A
Photographic Documentation
547-551 Tenth Ave.
New York, New York

Photograph #1 – View of the subject property and sidewalk along West 42nd Street

Photograph #2 – View of an existing groundwater monitoring well

Photograph #3 – View of 55 gallon drums on the subject property.

Attachment A
Photographic Documentation
547-551 Tenth Ave.
New York, New York

Photograph #4 – View of hydraulic lift in service area

Attachment A
Photographic Documentation
547-551 Tenth Ave.
New York, New York

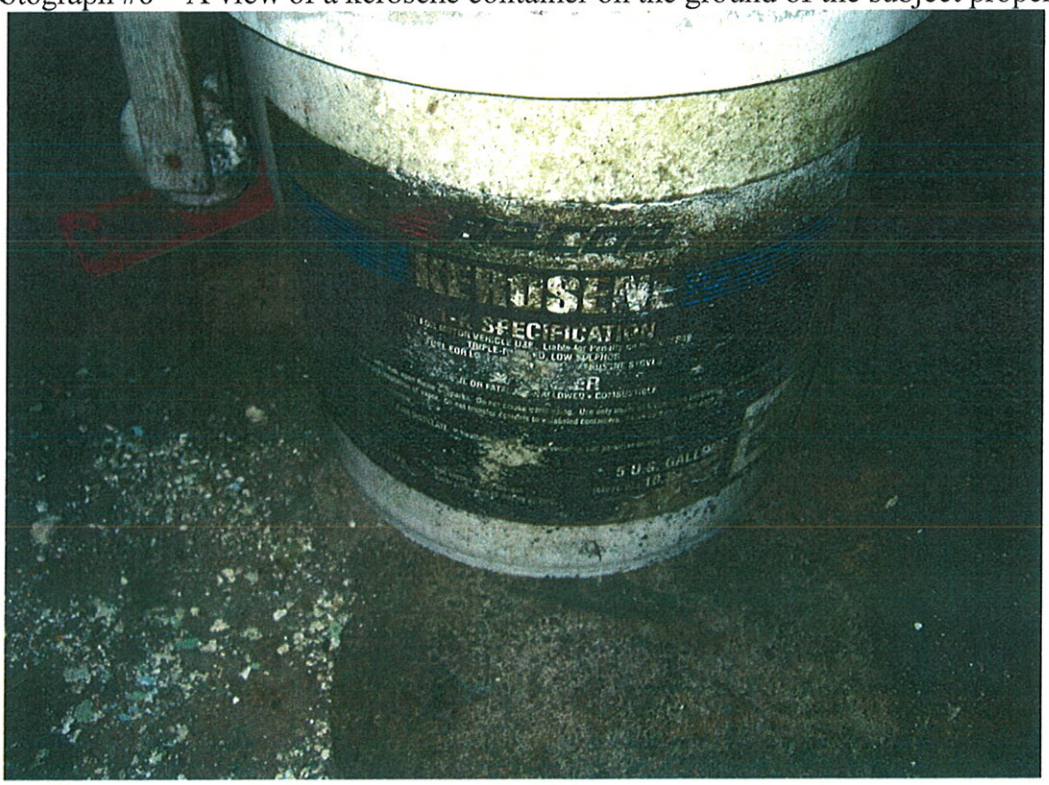
Photograph #5 – View of cylinders stored on site

Photograph #6 – View of the neighboring church property and construction material on site

Attachment A
Photographic Documentation
547-551 Tenth Ave.
New York, New York

Photograph #7 – View of Covenant House, the adjacent property to the east across 10th Avenue

Photograph #8 – A view of a kerosene container on the ground of the subject property.



Attachment A
Photographic Documentation
547-551 Tenth Ave.
New York, New York

Photograph #9 – View of containers, drums and ground surface of the subject property.

Photograph #10 – View of construction equipment stored at the property

ATTACHMENT B

PORTION OF HUDSON YARDS EIS
&
PREVIOUS ENVIRONMENTAL REPORTS

HUDSON YARDS EIS CHAPTER 14

HUDSON YARDS EIS CHAPTER 14

TABLE OF CONTENTS

Chapter 14: Hazardous Materials

A. INTRODUCTION AND PRINCIPAL ISSUES

This chapter assesses the potential presence of subsurface contamination (soil, soil gas, groundwater, bedrock) and the potential presence of hazardous materials in surface structures containing contaminated materials that could be affected by the construction and operation of the elements of the Proposed Action as described in Chapter 2, "Description of the Proposed Action." It also addresses the potential impacts on worker safety, public health, and the environment from potential contaminants/hazardous materials and identifies management practices that would be incorporated into the Proposed Action to preclude significant adverse impacts during construction. The potential for operational impacts from hazardous materials following construction is also considered in this chapter.

Contamination conditions were assessed for all of the components of the Proposed Action where construction activities would occur, to determine if hazardous materials are present. Depending upon the nature of construction activities that would occur at or near a project element, one or more different types of hazardous materials assessment methods were performed in order to further evaluate the potential for hazardous materials. These assessment methods included: an Area Hazardous Materials Screening Study; No. 7 Line Extension (Alignment) Geotechnical Boring Screening; Phase I Environmental Site Assessments; Phase II Environmental Site Assessments or other appropriate site investigations. For all projected and potential development sites identified within the proposed area to be rezoned, a preliminary screening assessment pursuant to Title 15 of the Rules of the City of New York, Chapter 24, Section 4 was done.

The CEQR Technical Manual defines a hazardous material (contamination) as any substance that poses a threat to human health or to the environment. Such substances include but are not limited to: metals; volatile organic compounds (VOCs), commonly found in petroleum products, solvents; semi-volatile organic compounds (SVOCs), typically associated with fuel oil, coal, and ash; and polychlorinated biphenyls (PCBs), usually associated with transformers and utilities. Hazardous materials also include substances used in building materials and fixtures, such as asbestos-containing material (ACM), lead-based paint (LBP), and mercury. The presence of hazardous materials does not necessarily indicate a threat to human health and/or the environment; a means of an exposure pathway, a receptor, and an unacceptable dose must also be present to cause a threat.

During construction, hazardous materials could be disturbed through excavation of soil and consolidated rock, extraction of groundwater, or the demolition/renovation of ancillary structures. The most likely routes of human exposure from the hazardous materials evaluated are the inhalation of VOCs, the ingestion of particulate matter containing SVOCs or metals, or dermal (skin) contact with hazardous materials that can be released during soil-disturbing activities. Chapter 23, "Construction Impacts," describes likely construction methods, sequencing, and impacts that could be generated by the Proposed Action.

1. Principal Conclusions

The Proposed Action is not anticipated to result in any significant adverse impacts with respect to hazardous materials.

The initial evaluation of hazardous materials was completed through performance of an Area Hazardous Materials Screening Study (AHMSS). This broad screening method identified potentially contaminated sites (PCSs) that may affect implementation of the Proposed Action. Subsequent to this evaluation, further screening and assessment methods were employed on a project element basis to

TABLE 14-1
INVESTIGATION FINDINGS

Location	AHMSS and Phase I ESA Findings	Phase II ESA or Other Appropriate Investigation Findings	Management Measures
No. 7 Subway Extension			
Alignment (including Intermediate and Terminal Stations)	Petroleum releases, historical uses (e.g., foundries and coal yards) and the presence of Serpentinite in bedrock	Field screening of over 100 geotechnical soil borings and laboratory results for three (3) environmental soil borings revealed isolated petroleum impacts to soil and groundwater. Serpentinite bedrock present between West 26th Street and West 29th Street beneath Eleventh Avenue.	Isolated petroleum impacts to soil and groundwater would require management.
Site A	On-site: petroleum contamination, historical uses (e.g., iron works, junkyard), historic placement of fill. Off-site: petroleum releases and historical uses (e.g., iron foundries, oil storage and charcoal works).	Five (5) soil borings were taken and one (1) temporary monitoring well was installed. Four (4) soil samples and one (1) groundwater sample revealed concentrations of SVOC and metals, consistent with urban fill.	Fill material underlying the site contains concentrations of SVOCs and metals that require management.
Site L	On-site: petroleum releases, historical uses (e.g., iron works, paint shop, coal yard and bus terminal), historic placement of fill. Suspect LBP, ACM and PCB-containing material present in existing building. Off-site: petroleum spills and historical uses (e.g., coal yards, print shop and gas stations)	Twelve (12) soil borings were taken and three (3) temporary monitoring wells were installed. Twenty-four (24) soil samples and three (3) groundwater samples revealed concentrations of SVOCs and metals, consistent with urban fill.	Fill material underlying the site contains concentrations of SVOCs and metals that require management.
Corona Yard	On-site: The site is above an EPA-designated sole-source aquifer (Lloyd Sand Member). Historical use as a railyard and historic placement of fill. Off-site: automotive repair and wreckage facilities, filling stations and automobile scrap yards) and petroleum releases.	Review of logs for six (6) geotechnical soil borings advanced at the site and a published reference revealed that the Lloyd Sand Member does not underlie Corona Yard. LIRR soil investigation revealed presence of localized petroleum impacts and the fill containing SVOCs that are indicative of urban fill.	LIRR will manage petroleum impacts, consistent with NYSDEC requirements. SVOCs in fill would require management.

TABLE 14-1 (CONTINUED)
INVESTIGATION FINDINGS

Location	AHMSS and Phase I ESA Findings	Phase II ESA or Other Appropriate Investigation Findings	Comments
Truck Marshalling Route	On-site: Historical use as a coal yard and presence of railroad tracks. Off-site: Petroleum releases, historical uses (e.g., consolidated gas works, iron yard, a coal house, machine shop and coal yard).	Six (6) soil borings were taken and four (4) monitoring wells were installed. Fourteen soil (14) and four (4) groundwater samples revealed concentrations of SVOCs and metals that are consistent with urban fill.	Fill material underlying the site contains concentrations of SVOCs and metals that require management.
Convention Center Marshalling Yard	On-site: Historical uses (e.g., railroad operations, machine shops and trailer storage). Suspect ACM, LBP and PCB-containing equipment present in buildings. Off-site: Releases of gasoline and dielectric fluid, historical uses (e.g., railyard, garages with USTs, auto repair shops and machine shops).	Six (6) soil borings were taken and four (4) monitoring wells were installed. Fourteen (14) soil and four (4) groundwater samples revealed concentrations of SVOCs and metals that are consistent with urban fill.	Fill material underlying the site contains concentrations of SVOCs and metals that require management.
Intervening Streets	Historical uses (e.g., railroad, freight operations, manufacturing gas, storage of hazardous materials and documented petroleum releases)	Eight (8) soil borings were taken and six (6) monitoring wells were installed. Eighteen (18) soil and twelve (12) groundwater samples revealed concentrations of SVOCs and metals that are consistent with urban fill.	Fill material underlying the site contains concentrations of SVOCs and metals that require management.
Caemmerer Yard			
Caemmerer Yard West	On-site: Historical and current use as a railyard may have resulted in releases of petroleum, metals, PCBs, and applications of pesticides or herbicides. A statistical sampling program is required to characterize hazardous materials from anthropogenic activities, which are random. Off-site: historical uses (lumber yard, motor freight storage and garage with gasoline tanks)	Fifty-seven (57) soil borings were taken and twenty-two (22) monitoring wells were installed. Two-hundred soil (200) and twenty-two (22) groundwater samples revealed localized petroleum contamination in soil and groundwater. Concentrations of SVOCs and metals, consistent with urban fill, were detected. The results of the Phase II ESA validate the statistical sampling approach applied to the site.	Isolated petroleum impacts to soil and groundwater require management. Fill material underlying the site contains concentrations of SVOCs and metals that require management.
Caemmerer Yard East	On-site: Historical and current use as a railyard may have resulted in releases of petroleum, metals, PCBs, and applications of pesticides or herbicides. A statistical sampling program is required to characterize hazardous materials from anthropogenic activities, which are random. Off-site: historical uses (metal works, junk yard, auto repair shop, gasoline station railroad operations)	Thirty-four (34) soil borings were taken and four (4) monitoring wells were installed. One-hundred seven (107) soil and four (4) groundwater samples revealed concentrations of SVOCs and metals, consistent with urban fill in soil and groundwater. The results of the Phase II ESA validate the statistical sampling approach applied to the site.	Fill material underlying the site contains concentrations of SVOCs and metals that require management.

the 2025 analysis year. Refer to Chapter 23, "Construction Impacts," for a detailed description of the construction activities.

Hazardous materials are often encountered and are of the greatest concern during construction. Construction activities of the following Proposed Action elements are expected to occur prior to 2010 and were evaluated for potential hazardous material impacts during the construction and operational periods:

- No. 7 Subway Extension, including the subway alignment, two stations, ancillary facilities to support the operation, and a storage area at Corona Yard;
- Development generated as a result of the proposed zoning map and text amendments;
- Construction of the Multi-Use Facility over the western portion of the Caemmerer Yard;
- The Convention Center Expansion, including the hotel and the demolition of the existing Quill Bus Depot and relocation of the facility to the southern portion of the Caemmerer Yard, the construction of the Marshalling Yard between West 33rd Street and West 34th Street, and the potential construction of the truck tunnel connecting between the Marshalling Yard and the expanded Convention Center;
- Construction of the southern portion of the Midblock Park and Boulevard System (Block 705 Lot 53 and 54) and the 950-space underground parking garage; and
- Relocation and consolidation of the NYPD Tow Pound and Department of Sanitation New York (DSNY) Facility to within the Hudson Yards Project area (Block 675) (not a project element, but would be accommodated by the Proposed Action).

The 2025 analysis year includes the following elements:

- Remaining development generated as a result of the proposed zoning map and text amendments; and
- Construction of the remaining portion of the Midblock Park and Boulevard System sites.

2. Environmental Assessment Methods

Depending upon the nature of the project element, one or more of the following hazardous materials assessments was performed to properly evaluate the potential for hazardous materials:

- Area Hazardous Materials Screening Survey (AHMSS);
- Phase I Environmental Site Assessments (ESAs) or other appropriate non-intrusive inquiry and investigation;
- Phase II ESAs or other appropriate site investigations;
- Preliminary Assessment (Projected and Potential Development Sites); and
- No. 7 Line Extension (Alignment) Geotechnical Boring Screening.

3. Determining Whether a Hazardous Materials Assessment is Appropriate

The potential for impacts related to hazardous materials can occur when: elevated (i.e., above regulatory guidance values) levels of hazardous materials exist on a site and an action would create pathways for exposure, to either humans or the environment; or an action would introduce new activities or processes using hazardous materials and the risk of human or environmental exposure would be increased. In general, however, it can be difficult to ascertain if a site contains elevated

U.S. Environmental Protection Agency (EPA) and New York State Department of Environmental Conservation (NYSDEC) databases reviewed for these assessments included the following:

- National Priority List (NPL)
- Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list
- Resource Conservation and Recovery Act (RCRA) hazardous waste treatment, storage, and disposal facilities list
- Inactive Hazardous Waste Disposal Sites list
- Major Oil Storage Facilities list (sites storing more than 400,000 gallons of petroleum products)
- Hazardous Waste Generators and Transporters list
- Historic Utility Facilities
- Chemical and Petroleum Bulk Storage Facilities list (under 400,000 gallons storage capacity)
- Hazardous Material Spills database
- Toxic Release Inventory Sites list
- Air and Toxic Wastewater Discharge Sites
- Civil Enforcement Docket sites (sites involved in environmental litigation).

ASTM E 1527-00 is the industry standard for environmental site assessments. The ASTM standard specifies the radial distances from each site for which database searches are performed.

The site reconnaissance included an assessment of the following elements: current use of building; type of heating system; current water and sanitary connections; the presence of vent pipes and fill caps associated with petroleum storage tanks; electrical transformers; areas of dumping or filling; potential ACM; potential LBP; chemical storage; groundwater monitoring wells; and fluorescent light fixtures. Reasonable efforts were made to inspect each property; however, many property owners have not granted site access.

Some properties in which temporary and/or permanent easements would be acquired were not assessed through a Phase I ESA, either because the easements would not be effected by construction, would be insignificant in size or would not likely have surface penetration. For example, the easement that would be required for the portion of the alignment on the curve from West 41st Street to Eleventh Avenue is below private property, approximately 100 feet below grade, and surface penetration would not occur; there is limited potential for encountering hazardous materials in this and comparable situations.

c) Phase II ESA

Phase II ESAs or other appropriate site investigations were performed as appropriate for sites where the AHMSS, Phase I ESAs, or other non-intrusive efforts revealed situations requiring intrusive confirmations of the potential presence of hazardous materials. Phase II ESAs typically include the collection of soil, soil gas, and/or groundwater samples and subsequent laboratory analyses for parameters of concern (e.g., VOCs, SVOCs, PCBs, and metals). The results of the laboratory analysis and on-site observations are used to: confirm the presence or absence of subsurface contamination that was suspected as a result of the identified REC; identify the physical and chemical characteristics of the subsurface; assist in determining requirements for the HASP which would help ensure adequate community and worker health and safety; and evaluate handling, management, and disposal requirements of, as examples, excavated soil and dewatering water.

Phase II ESAs or other appropriate site investigations have been completed for properties owned by the Project Sponsors (e.g., Caemmerer and Corona Yards, existing Convention Center, existing Quill Bus Depot, Truck Marshalling Route, Convention Center Marshalling Yard, along the Alignment) and at two acquisition properties (Site A, Site L). In the case of properties not owned by or accessible

presence of hazardous materials. Sanborn Maps were used to acquire this type of historical information. The Convention Center, the Yale trucking property (Block 685), the site of the proposed Convention Center Marshalling Yard, and Caemmerer and Corona Yards were assessed through Phase I ESAs. Phase II ESAs or other appropriate investigations were carried out for portions of the existing Convention Center, the site of the Proposed Convention Center Marshalling Yard, the existing Quill Bus Depot site, and the MTA Caemmerer and Corona yards. Section H, "Summary of Management Measures" includes information regarding the proposed management approach for hazardous material situations.

d) Alignment Conditions (No. 7 Subway Extension)

The proposed alignment for the No. 7 Subway Extension was initially evaluated through the AHMSS, which provided a broad view of the environmental conditions within the area of the alignment, and which aided in the identification of PCSs. To further investigate conditions along the alignment, a 200-foot buffer (measured outward from the centerline of the proposed alignment) was established to ascertain whether PCSs were within the 200-foot buffer. PCSs that were within this buffer were further evaluated by reviewing the information provided in the regulatory agency database and/or by reviewing subsurface data obtained through environmental screening of geotechnical borings performed in the area of the PCS of concern. In addition, areas along the alignment where extensive subsurface intrusion is proposed (e.g., station locations) were evaluated to determine whether, and to what extent, investigations could be required along the proposed alignment.

Based on the AHMSS and information from the Phase I ESAs, three environmental alignment borings were advanced to evaluate potential contaminants (e.g., VOCs, PCBs, and metals). The results of the investigation are included in Section C, "Existing Conditions". Potential Contaminants of Concern

The contaminants described in this section are commonly found in urban settings, and for certain materials (e.g., metals), background concentrations can be expected from both natural and anthropogenic sources. Where concentrations exceed regulatory thresholds, an analysis of potential environmental and health effects is required; the need for management could be necessary.

In order to determine such concentrations, environmental sampling and laboratory analysis are required. Laboratory analytical results are used to determine whether the media tested (e.g., soil, soil gas, groundwater, building materials) are considered hazardous and the proper handling and disposal procedures. During construction, hazardous materials would be managed or isolated to protect public health and the environment. Construction measures, including the implementation of site-specific HASPs, dust control measures, contaminated soil and groundwater management plans, and abatement of hazardous building materials prior to construction, would aid in the avoidance of adverse health impacts to workers and the general public. Management measures, including the means for handling specific types of contaminated material, are discussed further in Section H.

The locations of potential contaminants that could be encountered through the Proposed Action can be categorized as being either subsurface (e.g., soil, soil gas, groundwater, consolidated rock) or above grade (e.g., building materials) contaminants. Subsurface contaminants include but are not limited to VOCs; SVOCs; metals; PCBs in soil and groundwater; and asbestos, which can occur naturally in serpentine rock. Above grade contaminants include, but are not limited to ACM, LBP, PCB-containing equipment, and mercury.

e) Subsurface Contaminants (Soil, Soil Gas, Groundwater and Consolidated Rock)

The subsurface could contain contaminants associated with historical uses and prior releases. Certain contaminants, such as petroleum products, could have been released from surface spills or from leaking petroleum storage tanks. Other contaminants, such as VOCs, SVOCs, metals, and PCBs could have resulted from spills at former rail yards and other types of industrial or commercial

The results of the investigation were compared to Phase I expectations and standards and reference values published by the EPA, NYSDEC and DEP, as appropriate. This comparison was used to draw conclusions on the type of management measures that would be required during the construction and operational phases of the Proposed Action. Preliminary Screening Assessment (Rezoning Area)

For all projected and potential development sites identified within the rezoning area, a preliminary screening assessment was conducted pursuant to Title 15, Rules of the City of New York, Chapter 24, Section 4. The conclusion of the preliminary screening assessment is that (E) Designations are warranted for properties expected to experience redevelopment as a result of the proposed rezoning and which may contain the potential for hazardous materials contamination. For these sites, a Phase I Environmental Site Assessment (ESA), pursuant to Section 24-05, would not be required. The (E) Designation ensures that no significant adverse impact would result from the proposed rezoning, because the City requires appropriate measures be undertaken to mitigate potential hazardous materials impacts prior to construction activity. The preliminary screening assessment conducted for the Proposed Action included a review of historical and current land uses of the tax lot(s) included within the projected and potential development sites; adjacent (within 400 feet) lots were assessed as well. Regulatory agency databases were also reviewed for the listing of the aforementioned tax lots listings within the databases.

d) Geotechnical Boring Screening (Along No. 7 Subway Extension Alignment)

Geotechnical borings were advanced along the proposed alignment of the No. 7 Subway Extension in order to assess subsurface conditions that could affect the engineering, design, and construction of the proposed subway extension. Samples of soil and bedrock were collected for assessment of physical properties, including the presence of asbestos fibers found naturally in serpentine rock. During this effort, soil samples from the alignment borings were field screened for hazardous materials such as VOCs, using direct-read instruments such as a photoionization detector (PID). Additionally, information obtained from the screening of the borings aided in the evaluation of PCSs identified in the AHMSS and helped to determine whether further environmental investigation (e.g., Phase II ESIs) is necessary.

4. Application of Assessment Methods

The assessment methodology used to evaluate the potential presence of hazardous materials was specific to the project element; the following paragraphs discuss the assessments implemented for each of the project elements.

a) Acquisition Properties

Acquisition properties are those that would be acquired by the City and other Project Sponsors as part of the Proposed Action and include: properties proposed for the Midblock Park and Boulevard System; Site A (site for Tunnel Boring Machine (TBM) access); Site L (Tenth Avenue Station); those properties proposed for supportive uses (e.g., laydown areas, Sites J, M, N) for the No. 7 Subway Extension; and, those properties to be acquired as part of the Convention Center Expansion. Each of these properties was assessed through a Phase I ESA. Site L and a portion of Site A were also assessed through Phase II ESAs, which further investigated the RECs identified through the Phase I ESAs. The area beneath the Midblock Park and Boulevard System properties to be used for the underground parking facility was included among the properties assessed. Properties to be acquired as part of the Convention Center Expansion were also assessed through a Phase I ESA and Phase II ESAs.

Site access for Phase I ESAs was initiated at each of the proposed acquisition properties through letters to property owners requesting permission to visit the property. The letters were sent via United States Postal Service (USPS) certified mail, with return receipt requested. The property owner

Polychlorinated Biphenyls (PCBs)

Commonly present in dielectric fluid from transformers and feeder cables, PCBs are of concern at rail yards, train maintenance facilities, and electric transformer locations where leakage into soil could have occurred. Occasionally, PCB-containing waste oils were applied in rail yards to limit vegetation; these waste oils were also used on coal piles and dirt roads as a dust suppressant.

Pesticides and Herbicides

These compounds are used to control rodents, insects, and vegetation at undeveloped properties or along railroad tracks. Pesticides and herbicides are generally not widespread in subsurface urban soils and groundwater.

Cyanide

Cyanide was produced as a waste product at MGP sites. In many instances, MGP waste products were disposed of on-site by using the waste as landfill of low-lying areas of the site.

Naturally Occurring Contaminants in Soil Gas

In addition to contaminants from releases of hazardous materials, naturally occurring contaminants, such as radon and methane, may be present in soil gas. Radon is a colorless, odorless radioactive gas that results from the natural breakdown of uranium minerals in soil, rock, and water. If present, it can concentrate in buildings, entering through cracks and other penetrations of a building foundation. Radon concentrations vary City-wide, reflecting subsurface conditions.

Methane, produced by the decomposition of organic matter from natural and anthropogenic sources, may also be present as a result of land filling areas that were formerly inundated. Methane, in itself, is not considered toxic; however, it can be potentially explosive when present in significant concentrations. When present with other VOCs, methane can pose a health and safety risk.

Naturally Occurring Asbestos (NOA)

Naturally occurring asbestos (NOA) could be present in consolidated rocks including Serpentinite, Talc Schist, and Chloride Schist. Asbestos fibers are potentially harmful if they become airborne and are inhaled.

f) Above-Grade Contaminants (Building Materials)

Asbestos-Containing Materials (ACM)

Building materials used in the construction of existing buildings could contain asbestos. Asbestos fibers are potentially harmful if they become airborne and are inhaled. The EPA prohibited the use of asbestos in spray-on fireproofing in 1972 and in thermal insulation in 1978. In addition, normally non-friable asbestos-containing products (i.e., those that when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure) that are typically stable could be damaged during the abatement process, and would be considered friable ACM thereafter.

Lead-Based Paint (LBP)

Buildings and other structures constructed or re-painted prior to 1960 may contain LBP. It has been determined that dust from LBP may cause learning disabilities and other adverse health effects when inhaled or ingested. Although the use of LBP in residences was banned by the Consumer Products Safety Commission in 1978 and by New York City in 1960, the use of LBP was common in New York City prior to this ban.

PCB-Containing Equipment

PCBs are present in transformers, electrical feeder cables, hydraulic equipment, and fluorescent light ballasts that were manufactured prior to 1978. Disposal of such items must be in accordance with

TABLE 14-3
RCRA REGULATORY LIMITS

Volatile Organics	mg/l	Pesticides	mg/l
Benzene	0.5	Chlordane	0.03
Carbon Tetrachloride	0.5	Endrin	0.02
Chlorobenzene	100.0	Heptachlor	0.008
Chloroform	6.0	Heptachlor epoxide	0.008
1,2 Dichloroethane	0.5	Lindane	0.4
1,1 Dichloroethylene	0.7	Methoxychlor	10.0
Methyl ethyl ketone	200.0	Toxaphene	0.5
Tetrachloroethylene	0.7	**Herbicides**	**mg/l**
Trichloroethylene	0.5	2,4-D (Dichlorophenoxyacetic acid)	10.0
Vinyl chloride	0.2	2,4,5-TP (Silvex)	1.0
Acid Extractables	**mg/l**	**Metals**	**mg/l**
o-cresol	200.0	Arsenic	5.0
m-cresol	200.0	Barium	100.0
p-cresol	200.0	Cadmium	1.0
Cresol	200.0	Chromium	5.0
Pentachlorophenol	100.0	Lead	5.0
2,4,5-Trichlorophenol	400.0	Mercury	0.2
2,4,6- Trichlorophenol	2.0	Selenium	1.0
		Silver	5.0
Base Neutrals	**mg/l**	**Physical Characteristics**	**mg/l**
1,4 Dichlorobenzene	7.5	Ignitability (°F)	140
2,4 Dinitrotoluene	0.13	Corrosivity (pH units)	2.0 to 12.5
Hexachlorobenzene	0.13	Reactivity to cyanide (mg/l)	250
Hexachlorobutadiene	0.5	Reactivity to sulfide (mg/l)	500
Base Neutrals	**mg/l**		
Hexachloroethane	3.0		
Nitrobenzene	2.0		
Pyridine	5.0		

Source: 40 CFR §261
Note: mg/l = milligrams per liter in leachate generated from toxicity characteristic leaching procedure.

c) Soil Reference Values

Except for specific contaminants and circumstances, neither the federal nor the New York State governments have promulgated a comprehensive set of numerical standards for the evaluation of environmental impacts caused by chemical contaminants in soils. Therefore, guidance or reference values are used to determine whether soils require management. The reference values have not undergone the rigorous analyses required for regulatory standards and, in many cases, might not be applicable to the situations found in the vicinity of the Proposed Action. In general, contaminants detected in soils are compared to the NYSDEC Division of Hazardous Waste Remediation's Technical and Administrative Guidance Memorandum (TAGM) #4046, "Determination of Soil Cleanup Objectives and Cleanup Levels," January 1994 (amended in December 2000). TAGM #4046 addresses contaminants in soil (i.e., VOCs, SVOCs, metals, PCBs and pesticides and herbicides) from any potential source, and includes guidance values for chemicals of concern.

d) Water Standards and Regulations

Contaminated groundwater could be encountered during excavation or dewatering activities. The NYSDEC has promulgated drinking water standards and uses them as reference values for groundwater. These potable groundwater standards (also known as Class GA Standards) are among the most stringent in the nation. Although these standards are intended for public drinking water

In all cases, an exposure assessment would be performed prior to demolition and construction to assess whether lead exposure would be likely to occur during demolition or renovation activities. If the exposure assessment indicates the potential to generate airborne dust or fume lead levels exceeding health-based standards, a higher personal protection equipment standard would be employed to counteract the exposure. In addition, a different application of work practices could be required to protect workers and the public. This will be done in accordance with NYCT 12L master specifications and the City lead removal protocol and other applicable Federal, State and City regulations.

h) Polychlorinated Biphenyls

Suspect PCB-containing equipment would be surveyed and evaluated prior to building demolition or renovation. PCB-containing equipment that would be disturbed by the work would be removed and disposed of in accordance with applicable federal, State, and local regulations.

6. Handling, Storage, Transportation, and Disposal of Hazardous Materials

Wastes containing hazardous materials require special handling, storage, transportation, and disposal methods to prevent releases that could impact human health or the environment. The NYSDEC requires the implementation of fugitive dust control measures at sites that contain elevated concentrations of SVOCs and metals (TAGM 4031, Fugitive Dust Suppression and Particulate Monitoring Program). To confirm the effectiveness of the dust control measures, Community Air Monitoring Plans that are approved by the New York State Department of Health are implemented if applicable.

Depending on the nature of the material, federal, State, and local regulations require the use of special containers or construction of impoundments for on-site storage of the material to prevent the release of hazardous materials to the environment. The federal, State, and local Departments of Transportation (DOT) have requirements for transportation of wastes containing hazardous materials. The NYSDEC identifies hazardous waste and other waste management requirements in 6 NYCRR Parts 360 through 376. Facilities that receive hazardous materials require federal, State, and local permits to accept the waste. The waste facilities require representative waste sampling and laboratory analysis prior to accepting material for disposal.

Requirements for handling, storage, transportation, and disposal of hazardous materials will be included in the CEPP, as described in Section H below.

C. EXISTING CONDITIONS

According to historical maps and other available historical documentation (see Chapter 9, "Architectural Historic Resources" and Chapter 10, "Archaeological Resources" for additional information), much of the Project Area was originally comprised of river banks and adjacent wetland areas of the Hudson River prior to the industrial development in the early 19th century. During this period, significant railroad development occurred throughout much of the Project Area to facilitate the expanding shipping-, manufacturing-, and transportation-related development, including the area between what is now Eleventh and Twelfth Avenues.

Early development in and around the railroad yards, close to the port areas, was a mix of small industries, metalworks, lumberyards, sawmills, hay and freight depots, stockyards, meat processing and packing facilities, and gas tanks interspersed among row houses. The areas east of Tenth Avenue were more residential than the locations closer to the port areas along the Hudson River.

Several distinct actions changed the character of the Project Area in the early part of the 20th century. The first major action was the development of a passenger rail tunnel under the Hudson River by the Pennsylvania Railroad, to a new station located at West 33rd Street and Seventh Avenue. The second

TABLE 14-4 (CONTINUED)
PROJECTED AND POTENTIAL DEVELOPMENT SITES PRELIMINARY SCREENING

Potential Development Sites								
Site No.	Block	Lot(s)	Site No.	Block	Lot(s)	Site No.	Block	Lot(s)
45	781	1	65	728	34	82	760	51
46	1069	1	66	1033	25, 41	83	760	12
47/48	711	1	67	763	72, 73	84	760	16, 18, 20
49	1071	20, 23, 29				85	760	21
50	1051	31-33, 35, 36, 135, 138	68	763	8*, 12, 14, 17, 60, 65, 67	86	759	14
51	737	30, 31, 32, 33	69	763	49, 56, 7502*	87	759	61
52	736	1, 73	70	763	28, 45, 46, 47	88	759	23, 24*, 25*, 26, 27, 29*, 54*, 55
53	735	11, 12*, 13, 17, 55*, 57*, 58*, 59*, 60	71	762	1, 2	89	759	49, 52*, 53*
54	734	6, 7, 8, 62*	72	762	11	90	754	63
55	734	9*, 10, 13*	73	762	19	91	754	51
56	733	59*, 60, 61, 62, 63, 64, 65*, 66*	74	762	46, 48*, 49*	92	780	15*, 17*, 19, 26*, 45*, 60*
57	733	8, 9, 58	75	761	5, 7, 9*	93	779	7*, 8
58	733	23, 24, 43*, 44*, 45*, 46*, 47	76	761	41	94	779	25-28, 52*, 53-56
59	732	70, 72*	77	761	28	95	778	7, 13, 16, 18, 66, 70
60	732	50	78	760	67, 68	96	778	52*, 55*, 57
61	731	22	79	760	63	97	778	25, 27, 28*
62	728	4, 67, 69	80	760	58, 59, 60, 61*, 62*	98	778	29, 30, 31, 32*
63	728	60	81	760	55	99	778	33, 34, 46*

Note: Potential Development Site 68 is considered in the Future Without the Proposed Action Condition.

The following are descriptions of the historical and/or current land uses identified on each of the potential and projected development sites and the type of contamination (either non-petroleum or petroleum related) that could be present on the site. Lots indicated with an asterisk (*) are not expected to be redeveloped under the Proposed Action, and therefore would not be mapped with an (E) Designation. These lots would transfer air rights to adjacent lots within the development site.

a) Projected Sites

Projected Development Site 1

Block 702 Lot 1 has historically been and is currently occupied by a rail yard. As a result, there is potential for petroleum and non-petroleum contamination on the site.

Projected Development Site 2

This site comprises Block 705 Lots 1, 5, 54, and 68, which are currently occupied by the Copacabana nightclub. Historically, this site was occupied by a machine shop. As a result, there is potential for non-petroleum contamination on the site.

Projected Development Site 3

This site comprises Block 705 Lots 29, 30, 32, 39, 41, 42, 45, 46, and 53, which are currently, and were historically, occupied by a publishing shop, Federal Express package distribution center and garage, and commercial offices; therefore there is potential for non-petroleum contamination on the site.

Projected Development Site 4

This site comprises Block 706 Lots 1, 10, and 55, which are currently occupied by Bell Atlantic vehicle/truck storage, a construction supply business, and a vacant building. Historically, this site

Projected Development Site 13

This site comprises Block 710 Lots 20, 22, 27, 29, and 42, which are currently occupied by a machine shop, an auto repair facility, and warehouse storage. Historically, this site contained petroleum storage (e.g., gasoline tanks), an auto repair and a machine shop. As a result, there is potential for petroleum and non-petroleum contamination on the site.

Projected Development Site 14

This site comprises Block 1069 Lots 24, 29, 34, and 136, which are currently occupied by a religious institution, vehicle parking, and an auto repair facility. Historically, this site contained petroleum storage (e.g., gasoline tanks) and an auto repair facility. Due to the presence of petroleum storage and an auto repair, there is potential for petroleum contamination on the site.

Projected Development Site 15

This site comprises Block 1070 Lot 1, which is currently occupied by a Federal Express distribution facility and garage, and was historically occupied by an electrical substation; therefore, there is potential for non-petroleum contamination on the site. [The adjacent Lot 5 is the Con Edison Substation on this block.]

Projected Development Site 16

This site comprises Block 1070 Lots 49, 50, and 54, which are currently occupied by vehicle parking. Historically, this site was occupied by an electrical substation. As a result, there is potential for petroleum and non-petroleum contamination on the site.

Projected Development Site 17

This site comprises Block 1090 Lots 9, 10, 11, and 109, which contain a currently vacant lot, and three tenement buildings with ground floor commercial/retail uses. Historically, this site was occupied by a railroad equipment manufacturer. As a result, there is potential for non-petroleum contamination on the site.

Projected Development Site 18

This site comprises Block 1090 Lots 20, 23, 29, 36, and 42, which currently contain petroleum storage (e.g., fuel oil tanks), Verizon truck storage and maintenance facilities, and a gas station. As a result, there is potential for petroleum contamination on the site.

Projected Development Site 19

This site comprises Block 1051 Lots 1, 49, 50, 51, 53, and 57, which are currently occupied by a commercial auto rental facility, theaters, and commercial offices. Historically, this site was occupied by the same auto rental facility. As a result, there is potential for petroleum contamination on the site.

Projected Development Site 20

This site comprises Block 1050 Lots 1, 6, 61, and 158, which are currently occupied by vehicle parking and community facilities. Historically, this site was occupied by a coal yard and a piano factory. As a result, there is potential for non-petroleum contamination on the site.

Projected Development Site 21

This site comprises Block 736 Lots 1 and 73, which are currently occupied by transportation uses (e.g., roadways). Historically, this site contained petroleum storage (e.g., gasoline tanks). As a result, there is potential for petroleum contamination on the site.

Projected Development Site 31

Block 729 Lot 1 is currently adjacent to (within 400 feet) Block 729, Lot 50. Due to the historical presence of the railroad right-of-way at Block 729, Lot 50, there is potential for petroleum and non-petroleum contamination on the site.

Projected Development Site 32

Block 729 Lot 60 is currently occupied by vehicle parking. Historically, this lot was occupied by the trucking terminal and railroad right-of-way. Due to the historical presence of the trucking terminal and railroad right-of-way, there is a potential for petroleum and non-petroleum contamination on the site.

Projected Development Site 33

Block 729 Lot 50 is currently occupied by the railroad right-of-way. Historically, this lot was occupied by the railroad right-of-way. As a result, there is potential for petroleum and non-petroleum contamination on the site.

Projected Development Site 34

This site comprises Block 729 Lots 50, 60, and 163, currently occupied by the railroad right-of-way and a commercial loft building. Historically, this site was occupied by a railroad right-of-way. As a result, there is potential for petroleum and non-petroleum contamination on the site.

Projected Development Site 36

This site comprises Block 763 Lots 31*, 32, 34, 38, and 42, 43*, 44*, which are currently occupied by commercial, retail, and residential uses. Historically, this site was occupied by an electrical substation. As a result, there is potential for non-petroleum contamination on the site.

Projected Development Site 37

Block 762 Lot 6 is currently occupied by a commercial development; historically, this lot was occupied by a machinery repair shop. As a result, there is potential for petroleum contamination on the site.

Projected Development Site 38

Block 762 Lot 61 is currently adjacent to (within 400 feet) a site with potential contamination, Block 763 Lot 60, which is currently the site of an auto repair facility. As a result, there is potential for petroleum contamination on the site.

Projected Development Site 39

This site comprises Block 762 Lots 13, 14*, 16, 17*, and 60, which are currently occupied by retail, residential, and commercial uses. Historically, this site was occupied by a machinery repair and publishing shop. As a result, there is potential for petroleum and non-petroleum contamination on the site.

Projected Development Site 40

Block 761 Lot 62 is currently adjacent to (within 400 feet) Block 761 Lot 10, which is currently a machinery repair facility. As a result, there is potential for petroleum contamination on the site.

Projected Development Site 41

This site comprises Block 761 Lots 10, 13, 20*, and 43, which are currently occupied by a paper product manufacturer, sewing machine manufacturer, and vehicle parking. Historically, this site was occupied by a machinery repair and textiles manufacturer. As a result, there is potential for petroleum and non-petroleum contamination on the site.

Potential Development Site 53

This site comprises Block 735 Lots 11, 12*, 13, 17, 55*, and 57*, 58*, 59*, 60, which are currently occupied by an auto repair facility, vehicle parking, vacant land, a vacant building, and residential. Historically, this site was occupied by auto repair. As a result, there is potential for petroleum contamination on the site.

Potential Development Site 54

This site comprises Block 734 Lots 6-8 and 62*, which are currently occupied by vehicle parking, residential, and commercial. Historically, this site was occupied by an auto repair shop and a wrecking facility. As a result, there is potential for petroleum contamination on the site.

Potential Development Site 55

This site comprises Block 734 Lots 9*, 10, and 13*, which are currently occupied by a warehouse and residential uses, and were historically occupied by an auto repair facility; therefore, there is potential for petroleum contamination on the site.

Potential Development Site 56

This site comprises Block 733 Lots 59*, 60, 61, 62, 63, 64, 65*, 66*, which are currently, and were historically, occupied by an auto repair facility, residential, commercial, and institutional/public facility; therefore, there is potential for petroleum contamination on the site.

Potential Development Site 57

This site comprises Block 733 Lots 8, 9, and 58, which are currently occupied by vehicle parking. Historically, this site contained an auto repair shop and petroleum storage (e.g., gasoline tanks). As a result, there is potential for petroleum contamination on the site.

Potential Development Site 58

This site comprises Block 733 Lots 23, 24, and 43*, 44*, 45*, 46*, 47, which are currently occupied by vehicle parking and residential uses. Historically, this site was occupied by a machine shop; therefore, there is potential for petroleum contamination on the site.

Potential Development Site 59

This site comprises Block 732 Lots 70 and 72*, which are currently occupied by an auto repair facility, furniture cleaning, and residential property. Historically, this site was occupied by a gas station; therefore, there is potential for petroleum contamination on the site.

Potential Development Site 60

Block 732 Lot 50 is currently vacant land. Historically, this lot was occupied by a machine shop; therefore, there is a potential for petroleum contamination on the site.

Potential Development Site 61

Block 731 Lot 22 is currently occupied by vehicle parking. Historically, this lot was also occupied by vehicle parking; therefore, there is potential for petroleum contamination on the site.

Potential Development Site 62

This site comprises Block 728 Lots 4, 67, and 69, which currently contain construction-related and residential uses. Previous use of the site included petroleum storage (e.g., fuel oil tanks); therefore, there is potential for petroleum contamination on the site.

photography processing facility; therefore, there is potential for petroleum and non-petroleum contamination on the site.

Potential Development Site 75

This site comprises Block 761 Lots 5, 7, and 9*, which are currently used for retail, commercial, residential, and vehicle parking uses. Historically, this site was the site of a machinery repair facility. Based on the current and historical site uses, there is potential for petroleum and non-petroleum contamination on the site.

Potential Development Site 76

Block 761 Lot 41 is adjacent to (within 400 feet) potential contamination; as a result, there is potential for petroleum and/or non-petroleum contamination on the site.

Potential Development Site 77

Block 761 Lot 28 is currently commercial office space and was historically used for medical purposes. As a result, there is potential for non-petroleum contamination on the site.

Potential Development Site 78

This site comprises Block 760 Lots 67 and 68, which currently contain vehicle parking and a construction contracting company. Historically, this site was a gasoline station; therefore, there is potential for petroleum contamination on the site.

Potential Development Site 79

Block 760 Lot 63 is adjacent to (within 400 feet) potential contamination, Block 760 Lot 16, which is currently a trucking terminal; therefore, there is potential for petroleum and/or non-petroleum contamination on the site.

Potential Development Site 80

This site comprises Block 760 Lots 58, 59, 60, 61*, 62*, which are currently used for commercial, residential, and vehicle parking purposes. Historically, this site was a piano factory; therefore, there is potential for non-petroleum contamination on the site.

Potential Development Site 81

Block 760 Lot 55 is adjacent to (within 400 feet) potential contamination, Block 760 Lot 51, which historically was a filling station; therefore, there is potential for petroleum and/or non-petroleum contamination on the site.

Potential Development Site 82

Block 760 Lot 51 is currently used for vehicle parking; historically, this site was occupied by a gasoline station and a piano factory. Based on the current and historic land uses, there is potential for petroleum and non-petroleum contamination on the site.

Potential Development Site 83

This site comprises Block 760 Lots 16, 51, and 68, Block 761 Lot 10, and Block 759 Lot 27, which were considered to be potentially contaminated as they are adjacent to (within 400 feet) potential contamination. As a result, there is potential for petroleum and/or non-petroleum contamination on the site.

TABLE 14-5 (CONTINUED)
SUMMARY OF MIDBLOCK PARK AND BOULEVARD SYSTEM & UNDERGROUND PARKING GARAGE RECS

Block/ Lot #	Street Address	On-site RECs	Off-site RECs	Above-Grade Concerns
0709/023	521-523 W. 37th St.	None Identified	Unknown type of factory, trucking facility, auto repair/parking	Structure located on-site, ACM, LBP, and/or PCB-containing equipment
0709/025 & 046	513-519 W. 37th St. / 510-520 W. 38th St.	Trucking facility	Coal yard, trucking facility, auto garage and five active NY Spills/LTANKS	Structure located on-site, ACM, LBP, and/or PCB-containing equipment (parking attendant shed)
0709/052	522-524 W. 38th St.	Auto repair facility	None Identified	Structure located on-site, ACM, LBP, and/or PCB-containing equipment
0710/011	535 W. 38th St.	Coal yard and auto repair facility	Coal yard, truck and bus parking and five active NY Spills/LTANKS	Structure located on-site, ACM, LBP, and/or PCB-containing equipment
0710/015	520 W. 39th St.	Historical railroad right-of-way and auto repair facilities, NY SPILLS/LTANKS site	Auto repair facility	Structure located on-site, ACM, LBP, and/or PCB-containing equipment
0710/020	519 W. 38th St.	Coal yard, truck and auto repair facility	None Identified	Structure located on-site, ACM, LBP, and/or PCB-containing equipment
0710/022	509 W. 38th St.	Unavailable documentation regarding two fill ports apparently concreted over	Coal yard, scrap metal facility, trucking facility/garage, manufacturing facility and an auto repair facility	Structure located on-site, ACM, LBP, and/or PCB-containing equipment
1070/020	515 W. 38th St.	Railroad right-of-way and 10,000-gallon heating oil UST on-site	None Identified	Structure located on-site, ACM, LBP, and/or PCB-containing equipment
Properties Above the Parking Garage				
0706/010	539-545 W. 34th St.	Unknown type of factory, staining around fill port near the building	Garage, foundries, machine shops, charcoal storage facilities, iron warehouse, factories, garage with gasoline USTs, motor freight station, post office/Federal Express facility with gasoline and fuel oil tanks and maintenance garage	Structure located on-site, ACM, LBP, and/or PCB-containing equipment
0706/015	533-535 W. 34th St.	Unknown type of factory	Unknown type of factories, interior conduit and interior gas works, foundries, factories, machine shops, electric works, steam boiler works, furniture company with gasoline tanks, motor freight stations, post office/Federal Express facility with gasoline and fuel oil tanks	Structure located on-site, ACM, LBP, and/or PCB-containing equipment
0706/017	527-531 W. 34th St.	Unknown type of factory, interior conduit and interior gas works and furniture company with gasoline tanks	Brass foundries, boiler shops, iron shops, machine shops and garage with gasoline USTs	Structure located on-site, ACM, LBP, and/or PCB-containing equipment
0706/048	534-536 W. 35th St.	None Identified	Interior conduit and interior gas works, electrical works, unknown type of factories, motor freight station, furniture company with gasoline tanks	Structure located on-site, ACM, LBP, and/or PCB-containing equipment

3. No. 7 Subway Extension

The areas of each of the project elements associated with the No. 7 Subway Extension were evaluated for the potential presence of hazardous materials as described in Section B. The following section includes the results of this evaluation organized by the various components of the No. 7 Subway Extension.

Since most of the No. 7 Subway Extension would be constructed within consolidated bedrock located 70 feet or more below grade, the potential for adverse hazardous materials impacts is expected to be limited. The construction of the No. 7 Subway Extension would be accomplished by tunneling through bedrock with the use of a TBM, mining (e.g., drilling and blasting), and excavation (including cut-and-cover). See Chapter 23, "Construction Impacts" for additional information concerning construction methods. Potential exposure to hazardous materials increased in areas of subsurface penetration such as excavation activities associated with the TBM launch and retrieval sites (Site A and Site L), cut-and-cover construction methods, station locations, ancillary facilities, laydown areas and shaft ways. Site A, Site L, and the proposed station locations were evaluated separately from the overall alignment and are summarized separately below; the ancillary facility locations, laydown areas and shaftways (e.g., Sites J, M, N) were considered part of the general alignment.

a) Alignment

Geotechnical sampling and analysis activities along the proposed alignment have identified Serpentinite in the bedrock, which may contain deposits of naturally occurring asbestos (NOA). The Serpentinite deposits have been identified in an approximately 800-linear-foot section of the alignment from West 26th Street to West 29th Street along Eleventh Avenue at a less than 1 percent level. Although naturally occurring, asbestos can pose a potential health risk to workers when the serpentinite is pulverized by the TBM, generating airborne fibers.

In addition to the identification of serpentinite, the geotechnical alignment borings for the No. 7 Subway Extension identified petroleum-contaminated soil at six locations:

- Boring PE-30 (West 26th Street and Eleventh Avenue): Located on the sidewalk south of West 26th Street approximately 200 feet east of Eleventh Avenue. Thirty-six inches of black, stained, silty sand was encountered beneath the concrete sidewalk during hand augering. Petroleum odors were noted at the boring location.
- Boring PE-19 (West 35th Street and Eleventh Avenue): Located on the sidewalk south of West 35th Street approximately 50 feet east of Eleventh Avenue. Petroleum/chemical odors were detected from the soil collected at approximately 25 to 32 feet below grade.
- Boring GA-4 (West 28th Street and Eleventh Avenue): Located on the sidewalk north of West 28th Street approximately 50 feet east of Eleventh Avenue. Ten inches of black, stained, silty sand was encountered beneath the concrete sidewalk during hand augering from the depth of approximately three to four feet below grade.
- Boring PE-7 (West 41st Street and Tenth Avenue.): Located on the sidewalk south of West 41st Street approximately 50 feet west of Tenth Avenue. Six inches of black, stained, silty sand was encountered beneath the concrete sidewalk during drilling from the depth of approximately 10 to 12 feet below grade.

Boring SB2-4 (West 26th and Eleventh Avenue): Located on the sidewalk on the west side of Eleventh Avenue, approximately 20 feet north of 26th Street. Strong petroleum odor and staining were detected in the soil collected from 6 to 17 feet below grade.

Lack of closure documentation could indicate that the tank was not closed in accordance with NYSDEC regulations and, therefore, the condition of the subsurface in the area of the tank cannot be accurately assessed. Therefore, the area of the former UST is considered an REC.

Petroleum-contaminated soils were identified beneath the sidewalk on the northern border of the property during the advancement of geotechnical alignment boring PE-30. This is considered an open spill case by the NYSDEC. The presence of petroleum-contaminated soils beneath the sidewalk adjacent to the property is considered an REC.

As a result of these findings, a program of subsurface soil and groundwater sampling and laboratory analysis was performed. Five soil borings were advanced; five soil and one groundwater sample were collected and sent to a NYSDOH-certified laboratory for analysis. The soil samples were analyzed for VOCs, SVOCs, PCBs, metals, and RCRA Characteristics. The groundwater sample was analyzed for VOCs, SVOC, PCBs, metals, and DEP sewer discharge parameters.

The results of the investigation revealed that Site A is underlain by fill materials that contain elevated concentrations (exceeding the NYSDEC TAGM 4046RSCOs) of metals (beryllium, chromium, copper, mercury, nickel, selenium, and zinc). Elevated concentrations of two SVOCs (benzo(a)anthracene and chrysene) were also detected in one sample, but not in samples collected elsewhere at the site. These contaminants are commonly found in urban fill materials and likely do not reflect on-site releases from historic or current usage. Minimal concentrations of the VOCs acetone and methylene chloride were detected in the soil samples; however, the concentrations detected did not exceed TAGM RSCOs. PCBs, pesticides, herbicides, TCLP VOCs, and TCLP SVOCs were not detected in the soil samples. TCLP chromium was detected in one sample; however, its concentration did not exceed RCRA hazardous waste characteristics. TCLP chromium was the only TCLP metal detected. Soil samples did not exhibit characteristics of hazardous waste. The results of the sampling indicate that the petroleum-contaminated soils noted beneath the sidewalk, adjacent to the property, have not had a widespread, if any, impact on Site A, as petroleum-type contaminants were absent from soil and groundwater samples.

Results of the groundwater sampling revealed that one SVOC (Chrysene) was detected at a concentration that exceeds the NYSDEC Technical and Operational Guidance Series (TOGS) standard. Laboratory results also indicated that metals were present in the groundwater sample at concentrations that exceed the TAGM TOGS criteria. The concentrations of Chrysene and metals are expected to be the result of sediment in the sample and not groundwater conditions, as the sample was collected from a temporary well point, which caused sediment to be entrained in the sample. No VOCs or PCBs were present in concentrations that exceeded the NYSDEC TOGS criteria. Additionally, parameters regulated by DEP Limitations for Effluent to Sewers were not exceeded. Based on the results of the sampling, groundwater would not require pretreatment, except to remove sediment, prior to discharge.

Based on the Phase II ESA, there is minimal risk of exposure to contaminated soil for on-site receptors at Site A. The contamination identified no unique environmental concerns and requires no specific precautions beyond the typical measures employed during construction in New York City, and described within Section H, "Summary of Management Measures".

c) Site L – TBM Retrieval Site

Site L is located at 560 Tenth Avenue. As a result of the Phase I ESA of the Site, RECs were identified based on the review of historical maps (e.g., Sanborn Maps) and regulatory agency databases; the site inspection did not reveal any RECs.

The review of Sanborn Maps identified historical uses on the property and adjoining properties that are considered RECs; these include an ironworks, paint shop, coal yard and bus terminal. Off-site historical RECs include machine shop, paint and print shops, and a gas station.

material. Geotechnical soil borings advanced at Corona Yard indicate that the fill is underlain by four strata: organic clay; sand and gravel; varved silt and clay; and, glacial deposits, which overlie bedrock.

Corona Yard and neighboring sites, especially those to the west (upgradient), have been used for railroad and other industrial or heavy commercial purposes since the early 1900s (e.g., automotive repair and wreckage facilities, filling stations, and automobile scrap yards). Contaminants typically associated with such land uses include, but are not limited to, VOCs, SVOCs, and metals. Since the yard was constructed on fill material, it is likely to contain contaminants such as metals and SVOCs. Additionally, there are documented open NY Spills/LTANKS cases in the vicinity of the yard, which may have contaminated the subsurface soils and/or groundwater of the yard. The NYSDEC has issued an administrative notice to the Long Island Rail Road (LIRR) for contamination at the site which is alleged to be the result of petroleum spills. LIRR site investigations have confirmed the presence of "hot spots" of VOCs at the site. Additionally, the LIRR's testing has revealed that elevated concentrations of SVOCs are present in the fill material historically used to grade the site. Discussions between the NYSDEC and LIRR are ongoing to determine both the appropriate management for this site, and to address the likelihood that contamination found at this site is attributable to sources on neighboring sites.

Section H of this chapter includes preventative and management procedures that would be followed in order to minimize human contact with contaminants. In order to avoid adverse impacts to public health or to the environment, any such required action and/or management would be conducted in accordance with applicable law, and any regulatory requirements of the NYSDEC or DOL.

4. Convention Center Expansion Parcels

The Convention Center Expansion would require the acquisition of certain lots on Block 685 and all of Block 1088, both of which are located between Eleventh and Twelfth Avenues, between West 39th and 40th Streets and between West 40th and West 41st Streets, respectively. Block 1088 is the current location of the Quill Bus Depot, which would be relocated as a result of the Convention Center Expansion. Additionally, the expansion of the Convention Center would require the acquisition of the eastern portion of Block 1089 for the construction of a hotel. Block 1089 is bound by West 41st and 42nd Streets and Eleventh and Twelfth Avenues. The Convention Center Expansion also includes an area for expanded truck marshalling capabilities. The truck Marshalling Yard would be located directly south of the existing Convention Center, between 33rd and 34th Streets and Eleventh and Twelfth Avenues. The truck Marshalling Yard would be dedicated to servicing the trucks associated with operations at the expanded Convention Center. This yard would be connected to the Convention Center's loading docks via an unused, below-grade rail right-of-way extending from West 33rd to West 41st Streets between Tenth and Eleventh Avenues. The right-of-way is to be used as a truck marshalling route from the marshalling yard into the Convention Center's loading docks entry on 41st Street. Additionally, the Convention Center Expansion would encompass certain intervening streets, specifically West 39th, West 40th, and West 41st Streets, and parts of Eleventh Avenue.

a) Existing Convention Center

Through review of regulatory databases, government records, other documents and historical land use maps, the Phase I ESA indicated that from the late 1800s through the 1900s, the area currently used as the Convention Center (between 34th and 38th Streets and Eleventh and Twelfth Avenues) was occupied by railroad tracks and yards for rail companies such as New York Central & Hudson River Railroad Company; West Shore Lines; New York, Ontario & Western Railroad Company; and Pennsylvania Railroad Corporation. The Phase I ESA concluded that there is likely subsurface

VOCs or PCBs were detected in soil samples. SVOCs were detected in 17 soil samples, but none of the samples exceeded NYSDEC's TAGM RSCO for total SVOCs. Metals were detected in all the soil samples at levels above NYSDEC TAGM RSCOs. All water samples exceeded TOGS for metals and one sample exceeded TOGS for SVOCs. With the exception of very slight benzene exceedance at one monitoring well, no other exceedances were detected in any of the wells. Appendix O.2 presents laboratory results for soil and groundwater samples. The benzene contamination identified is likely attributable to the petroleum USTs that were formerly present on this parcel. This confirms the groundwater contamination identified in 1999 and reported in the Phase I ESA, but indicates that the extent of the contamination is limited. The other results are consistent with the presence of historic urban fill, which is typical for sites located in New York City. This type of fill is not uncommon and is not likely attributed to any of the areas of environmental concern identified in the Phase I ESA.

Based on the Phase II ESA, there is minimal risk of exposure to contaminated soil and groundwater for on-site receptors at Block 685. The contamination identified raises no unique environmental concerns and requires no specific precautions beyond the typical measures employed during construction in New York City, and described within at Section H, "Summary of Management Measures".

c) Existing Quill Bus Depot

The Convention Center Expansion would require the deconstruction and reconstruction of the existing Quill Bus Depot. The Phase I ESA review of Sanborn Maps indicated this site was formerly occupied by the Western Stock Yard Hog House, meat packing plant, a livestock holding yard, a leather tanning company, coal houses, and an iron yard until the 1950s. In 1968, the site was developed as a bus depot and fueling facility for the Greyhound Bus Company (Greyhound); in 1992 MTA NYCT acquired the property. The site continues to be used as a bus depot and fueling facility for bus repair, maintenance, and cleaning operations.

A review of regulatory databases and prior environmental reports concerning the site reveal that, in 1987, a diesel fuel release was discovered on the southwest portion of the property. The spill was apparently the result of a broken remote fill line. Beginning in 1989, several investigations were performed with regard to the various petroleum product storage systems located at the facility. Those reports document the discovery of separate-phase product, discovered beneath the Quill Bus Depot, that occurred as a result of the aforementioned diesel fuel release. The groundwater remedial effort set forth to address the diesel fuel release consisted of a pump-and-treat-type system that included the use of a vacuum truck to extract the product from the subsurface (Vault A) according to investigative reports. As of February 2004, approximately 424 gallons of petroleum product had been recovered from the property. This remedial effort is ongoing pursuant to the terms of a Consent Order between the NYSDEC and MTA NYCT regarding the management of this petroleum spill. The NYSDEC spill number assigned to the facility remains open.

The diesel fuel release occurred from a UST, which was part of a UST system installed along the west end of the property (along Twelfth Avenue near 41st Street). The system included a 5,000-gallon antifreeze tank, a 15,000-gallon motor oil tank, an 18,000-gallon diesel fuel tank, a 17,000-gallon diesel fuel tank and a 16,000-gallon diesel fuel tank. All tanks were contained within a concrete vault, which is known as "Vault A." In 1996 and early 1997, MTA NYCT rehabilitated the facility and replaced these diesel tanks with new systems. As a result of the aforementioned diesel fuel release, 53 soil borings were collected and six groundwater monitoring wells were installed at the site to determine the extent of contamination in the area of the UST system.

As noted, a number of subsurface investigations have been performed both in connection with the contamination in the vicinity of Vault A, and to investigate the condition of the site of other tank systems (i.e., Vaults B and D). In 1989, ten soil borings in the vicinity of Vault A were installed, two of which were converted to groundwater monitoring wells. In 1990, an investigation was conducted

d) Site of Relocated Quill Bus Depot

The Quill Bus Depot is proposed for relocation between West 30th and West 31st Streets and between Tenth and Twelfth Avenues; (the southern portion of Block 676 and 702).

The southern portion of Caemmerer Yard is part of the proposed location for the Quill Bus Depot. The eastern portion of this site, between Tenth and Eleventh Avenues, is the location of the former Metal Purchasing Co. Inc. Based on a review of historical documents, the building formerly housing the plant (presently vacant) was constructed sometime between 1930 and 1950. Operations in this building included sheet metal cutting and coating (varnishing).

As a result of the findings of the Phase I ESA, a work plan for a Phase II ESA was developed to collect samples of subsurface soil and groundwater. Specifically, thirty-one (31) soil borings were advanced in areas of potential environmental concern, and eleven (11) monitoring wells were installed. A number of these soil borings and monitoring wells were also utilized to characterize Caemmerer Yard, discussed below. One hundred and twenty-six (126) soil and eleven (11) groundwater samples were collected. No pesticides, herbicides or PCBs were detected in soil samples. SVOC and metals were detected in the soil samples at concentrations that exceed the TAGM RSCOs. Results of the statistical analysis reveal the mean concentrations of SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and dibenzo(a,h)anthracene exceed TAGM RSCOs. The mean concentrations of copper, mercury, nickel, and zinc exceed the TAGM RSCOs and naturally-occurring background concentrations. With the exception of benzene in one soil sample, VOC concentrations did not exceed TAGM RSCOs levels. Groundwater samples did not contain VOCs, pesticides, herbicides or PCB concentrations above the TOGS values. Groundwater samples revealed concentrations of SVOCs and metals that exceeded the TOGS criteria; however, the types and levels detected are commonly the result of contaminants found in historic urban fill. Appendix O.2 presents laboratory results for soil and groundwater samples. This type of fill is not uncommon and is not likely attributed to any of the areas of environmental concern identified in the Phase I ESA.

Based on the Phase II ESA, there is minimal risk of exposure to contaminated soil and groundwater for on-site receptors in the area proposed for the relocated Quill Bus Depot. The contamination identified raises no unique environmental concerns and requires no specific precautions beyond the typical measures employed during construction in New York City, and described within Section H, "Summary of Management Measures".

e) Hotel Site

The proposed Convention Center Hotel site is located on the eastern half of Block 1089, on Eleventh Avenue between West 41st and 42nd Streets, which is currently a parking lot. Review of available Con Edison documents and Sanborn Maps indicated that this site was formerly occupied by the MGP operated by the Consolidated Gas Company (now Con Edison) from 1861 to the early 1920s. Based on the Sanborn maps, the MGP facility included coal storage areas, gas manufacturing and purification operations, and gas holders, which are large tanks with foundations that extend up to 20 feet below ground. The gas holders were located on the eastern portion of the parcel and the gas manufacturing and purification operations were located on the western portion of the property. The MGP extended to the former shoreline of the Hudson River. From the late 1920s until the early 1980s, the site was used as a freight depot for the Railway Express Agency, with a private garage. This site was also formerly occupied by a gasoline service station with five 550-gallon USTs, the Railway Express Agency, and parking for Greyhound Bus Lines. The site is currently used as a parking lot.

The types of contamination that are generally associated with former MGP facilities include VOCs, SVOCs (including PAHs), metals, and cyanide, while the types of contamination usually associated

advanced consistent with the work plan, and twenty-two (22) monitoring wells were installed. Two-hundred (200) soil samples and twenty-two (22) groundwater samples were collected. Field screening revealed that elevated concentrations of methane are not present in soil at Caemmerer Yard West. No pesticides, herbicides or PCBs were detected in soil samples. VOC concentrations exceeded TAGM RSCOs in three (3) soil samples; two of which were benzene exceedances. These exceedances appear to be isolated. Samples from thirty (30) soil borings revealed individual SVOC concentrations that exceeded TAGM RSCOs; however, none of the samples exceeded the NYSDEC's TAGM RSCC for total SVOCs. Statistical analysis revealed the mean concentrations of the SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and dibenzo(a,h)anthracene exceed the TAGM RSCOs. Samples from thirty-two (32) soil borings revealed metals concentrations at levels above TAGM RSCOs. Statistical analysis revealed the mean concentrations of copper, mercury, nickel, and zinc exceed the TAGM RSCOs and naturally-occurring background concentrations. Appendix O.2 presents laboratory results for soil samples.

In two instances, potential petroleum impacts to soil were noted through field screening and the NYSDEC was notified (spill cases 04-07411 and 04-07107). Laboratory analyses confirmed the presence of petroleum contamination in one case (04-07411) and revealed no elevated concentrations of VOCs or SVOCs in the other (04-07107). Based on the analytical results, the NYSDEC was requested to close spill case 04-07107.

With the exception of isolated petroleum contamination (Case 04-07411, located on the sidewalk southeast of the intersection of Twelfth Avenue and West 33rd Street), the soil results are consistent with the presence of historic urban fill (confirmed through comparison of the fill material results to samples collected of native site soils), which was anticipated at the site. This type of fill is not uncommon and is not likely attributed to any of the areas of environmental concern identified in the Phase I ESA.

Groundwater sample results did not identify the presence of PCBs, pesticides or herbicides. Four groundwater samples revealed the presence of VOC concentrations above TOGS. Several of the groundwater samples exceeded TOGS for SVOC and/or metals concentrations; however, the types and levels identified are commonly the result of contaminants found where historic urban fill is present. Appendix O.2 presents laboratory results for groundwater samples.

The results of the Phase II ESA confirmed the hypothesis that anthropogenic activities (e.g., historic placement of fill material and use of hazardous materials (e.g., petroleum) had resulted in a random distribution of contamination at the site. The Phase II ESA revealed that the historic placement of fill material and the historic use of petroleum have resulted in conditions that require management.

Based on the Phase II ESA, there is minimal risk of exposure to contaminated soil and groundwater for on-site receptors at Caemmerer Yard West. The contamination identified raises no unique environmental concerns and requires no specific precautions beyond the typical measures employed during construction in New York City, and described within at Section H, "Summary of Management Measures".

e) Intrusive Investigation Results: Caemmerer Yard East

As a result of the findings of the Phase I ESA, a work plan for a Phase II ESA was developed to collect samples of subsurface soil and groundwater. Thirty-four (34) soil borings were advanced and four (4) monitoring wells were installed at Caemmerer Yard East to assess potential environmental concerns identified in the Phase I ESA. One hundred seven (107) soil samples and four groundwater samples were collected and sent to a NYSDOH-approved laboratory for analysis. Field screening revealed that elevated concentrations of methane are not present in soil at Caemmerer Yard East. No pesticides, herbicides or PCBs were detected in the soil samples and VOC concentrations did not exceed TAGM RSCOs. Soil samples revealed SVOC and metals concentrations that exceeded

TABLE 14-6
EXISTING CONDITIONS BLOCK 675

Block/ Lot #	Street Address	Onsite RECs	Offsite RECs	Above Grade Concerns
0675/001	260 West Side Highway	Soap factory, coal yard and truck parking area	Rail yards, coal yard, truck rental and terminal, and DSNY garage	Structure located on-site, ACM, LBP, and/or PCB-containing equipment
0675/012	613 W. 29th St.	Smelting and refining works, asbestos construction, trucking supply	Gasoline station with USTs and gasoline station	Structure located on-site, ACM, LBP, and/or PCB-containing equipment
0675/024	609 W. 29th St.	None Identified	Coal yard, railroad freight yard, NYSDOS maintenance facility, gasoline station with USTs and two active NY Spills	Structure located on-site, ACM, LBP, and/or PCB-containing equipment
0675/026 & 029	603 W. 29th St. & 301 Eleventh Ave.	Smelting and refining facility, asbestos construction company and express depot	Coal yard, rail yard, gasoline station with USTs and garage/gasoline station	Structure located on-site, ACM, LBP, and/or PCB-containing equipment
0675/036	309 Eleventh Ave.	Gasoline station with USTs and filling station	Iron works, railroad on Eleventh Avenue, express depot, and gasoline station	Structure located on-site, ACM, LBP, and/or PCB-containing equipment (gas station shop)
0675/038 & 039	604 & 606 W. 30th St.	Soap factory, coal yard, smelting and refining facility, DSNY garage and NY Times truck parking	Smelting and refining works, gasoline station with USTs, and a trucking facility	Structure located on-site, ACM, LBP, and/or PCB-containing equipment

Prior to construction, appropriate site investigations will be conducted to more fully characterize possible contamination in the area and to identify any further action, investigation, or management that would be required if the Proposed Action were to proceed. Section H of this chapter includes preventative and management procedures that would be followed in order to minimize human contact with contaminants. In order to avoid adverse impacts to public health or to the environment, any such required action, investigation or management would be conducted in accordance with applicable law, and any additional regulatory requirements of the NYSDEC, DOL or DEP, as appropriate.

D. 2010 FUTURE WITHOUT THE PROPOSED ACTION

Without the Proposed Action, the Project Area would generally continue in its current condition; however, moderate levels of residential and commercial redevelopment are expected to occur, as described in Chapter 3, "Analytical Framework."

Some of the Projected and Potential Development Sites would be redeveloped, resulting in ground disturbance comparable to ground disturbance with the Proposed Action.

Discussions between the NYSDEC and MTA LIRR are ongoing to determine both the appropriate actions for the northeast area of Corona Yard and the potential that contamination found at this site could be attributable to sources on neighboring sites. The extent and type of management to be performed will be determined as a result of these discussions.

Ongoing management of the documented releases at the Quill Bus Depot would continue until requirements of the existing Consent Order with the NYSDEC are met. Similar is expected for the site of the proposed Convention Center Hotel.

With the exception of the aforementioned sites, there would be no change to existing conditions at the properties associated with the elements of the Proposed Action. If the Proposed Action were not implemented, potentially hazardous materials would remain in place. Hazardous materials would be

TABLE 14-7
RESULTS OF (E) DESIGNATION REVIEW FOR DEVELOPMENT SITES

Projected Development Sites						
Site No.	Block	Lot(s)	Potential Contamination	Environmental Concern leading to (E) Designation	Current Land Use	Historic Land Use
1	702	1	Non-Petroleum, Petroleum	Rail Yards	Rail Yards	Rail Yards
2	705	1, 5, 54, 68	Non-Petroleum	Machine Shop	Retail/Trucking	Machine Shop
3	705	29, 30, 32, 39, 41, 42, 45, 46, 53	Non-Petroleum	Publishing	Publishing	N/A
4	706	1, 10, 55	Non-Petroleum, Petroleum	Auto Repair/Foundry	Auto Repair	Foundry
5	706	17, 20, 29, 35, 36	Non-Petroleum, Petroleum	Auto Repair, Foundry	Auto Repair	Foundry
6	707	1, 13, 56	Petroleum, Non-Petroleum	Maintenance Garage, Railroad right-of-way,	Open Space	N/A
7	707	20, 26, 31, 39, 41, 45, 51	Petroleum	Auto Repair, Petroleum Storage	Motor Vehicle Parking, Commercial	N/A
8	708	1, 62, 65	Non-Petroleum, Petroleum	Auto Repair, Petroleum Storage	RR Right of Way, Auto Repair	RR Right of Way
9	708	20, 22, 24, 37, 41-43, 46	Petroleum	Auto Repair, Petroleum Storage	Commercial	N/A
10	709	1-3, 7, 13-15, 17, 60, 61, 63, 66-68, 70, 71	Non-Petroleum, Petroleum	Auto Repair, Petroleum Storage	RR Right of Way, Auto Repair	RR Right of Way
11	709	25, 30, 31, 33, 36, 37, 41, 43, 45, 46	Petroleum	Auto Repair, Petroleum Storage, Truck Rental	Vehicle Parking, Truck Rental	Vehicle Parking
12	710	1, 6, 11, 58	Petroleum	Auto Repair, Petroleum Storage, Railroad right-of-way	Vehicle Parking	N/A
13	710	20, 22, 27, 29, 42	Petroleum, Non-Petroleum	Auto Repair, Petroleum Storage, Machine Shop	N/A	N/A
14	1069	29, 34,	Petroleum	Auto Repair, Petroleum Storage	Vehicle Parking, Religious Institution	Religious Institution
15	1070	1	Non-Petroleum, Petroleum	Electrical Substation	Electrical Substation	Electrical Substation
16	1070	49, 50, 54	Non-Petroleum, Petroleum	Electrical Substation	Vehicle Parking	N/A
17	1090	9, 10, 11, 109	Non-Petroleum	Railroad Equipment Manufacture	Vacant	RR Equipment Manufacture
18[3]	1090	20, 23, 29, 36, 42	Petroleum	Petroleum Storage	N/A	N/A
19	1051	1, 49, 50, 51, 53, 57	Petroleum	Auto Rental Facility	Auto Rental, Commercial	N/A
20	1050	1, 6, 61, 158	Non-Petroleum	Piano Factory, Coal Yard	Community Facilities	Piano Factory, Coal Yard
21	736	1, 73	Petroleum	Petroleum Storage	Transportation	N/A
22	736	30, 33-38	Petroleum	Petroleum Storage	N/A	N/A
23	735	1, 6, 7, 65	Petroleum	Auto Repair, Petroleum Storage	Motor Vehicle Parking, Commercial	N/A

[3] In **the event that ULURP No. 040249 ZMM (CEQR No. 04DCP014M) is adopted before the Proposed Action, the (E) Designation on Block 1090, Lots 36 and 42, would be removed administratively by the Department of City Planning. The property owner would be bound to the terms of a DEP-approved Restrictive Declaration which would require the owner to characterize any hazardous materials contamination that may exist in subsurface soils and groundwater prior to any site disturbance.**

TABLE 14-7 (CONTINUED)
RESULTS OF (E) DESIGNATION REVIEW FOR DEVELOPMENT SITES

Potential Development Sites (continued)						
Site No.	Block	Lot(s)	Potential Contamination	Environmental Concern leading to (E) Designation	Current Land Use	Historic Land Use
53	735	11, 13, 17, 60	Petroleum	Auto repair	Transportation, Auto Repair	Auto Repair
54	734	6, 7, 8	Petroleum	Auto Wrecking/Repair	Auto Repair	Auto Repair
55	734	10	Petroleum	Auto Repair	Auto Repair	Auto Repair
56	733	60-64	Petroleum	Auto Repair	Auto Repair	Auto Repair
57	733	8, 9, 58	Petroleum	Auto Repair, Petroleum Storage	Motor Vehicle Parking	Auto Repair
58	733	23, 24, 47	Petroleum	Machine Shop	Motor Vehicle Parking and Residential Uses	Machine Shop
59	732	70	Petroleum	Gasoline Station	Motor Vehicle Parking	Gasoline Station
60	732	50	Petroleum	Machine Shop	N/A	N/A
61	731	22	Non-Petroleum	RR Right of Way	Vehicle Parking	Vehicle Parking
62	728	4, 67, 69	Petroleum	Petroleum Storage	Commercial	N/A
63	728	60	Petroleum	Petroleum Storage	Commercial	N/A
65	728	34	Petroleum, Non-Petroleum	RR Right of Way	Vehicle Parking	Vehicle Parking
66	1033	25, 41	Petroleum, Non-Petroleum	Coal Yards, Piano Factory	Vehicle Parking	Coal Yards, Piano Factory
67	763	72, 73	Petroleum	Automobile Rental	Residential, Commercial	N/A
68	763	12, 14, 17, 60, 65, 67	Petroleum	Auto repair and rental	Vehicle Parking, Commercial	Auto Repair
69	763	49, 56	Petroleum	Auto Repair	Vehicle Parking	N/A
70	763	28, 45, 46, 47	Petroleum	Gasoline Station	Gasoline Station	Gasoline Station
71	762	1, 2	Petroleum	Petroleum Storage	Vehicle Parking	N/A
72	762	11	Petroleum	Machinery Repair	Residential, Commercial	N/A
73	762	19	Adjacent	Adjacent within 400 Ft	N/A	N/A
74	762	46	Non-Petroleum	Photography Processing	Photography Processing, Vehicle Parking	N/A
75	761	5, 7	Petroleum, Non-Petroleum	Machinery Repair	Retail, Commercial, Residential, Vehicle Parking	N/A
76	761	41	Adjacent	Adjacent to Block 760 Lot 51	N/A	N/A
77	761	28	Non- Petroleum	Medical Laboratories	Medical	N/A
78	760	67, 68	Petroleum	Gasoline Station	Commercial & Retail	Gasoline Station
79	760	63	Petroleum, Non-petroleum	Adjacent to Block 760 Lot 16	N/A	N/A
80	760	58-60	Non-Petroleum	Piano Factory	Commercial, Residential, Motor Vehicle Parking	Piano Factory
81	760	55	Petroleum, Non-Petroleum	Adjacent to Block 760 Lot 51	N/A	N/A
82	760	51	Petroleum, Non-Petroleum	Gasoline Station, Piano Factory	Motor Vehicle Parking	Gasoline Station, Piano Factory
83	760	12	Petroleum, Non-Petroleum	Adjacent to Block 760 Lot 16	N/A	N/A
84	760	16, 18, 20	Petroleum, Non-petroleum	Trucking Terminal, Piano Factory, Freight Yard	Commercial	Trucking Terminal, Piano Factory, Freight Yard

prior to implementation. It will be reviewed to ensure that an adequate number of samples will be collected and that appropriate parameters are selected for laboratory analysis.

No sampling program may begin until written approval of a work plan and sampling protocol is received from the DEP. The number and location of sample sites should be selected to adequately characterize the type and extent of the contamination, and the condition of the remainder of the site. The characterization should be sufficiently complete to determine the necessary management strategy (if any) after review of the sampling data.

Task 2: A written report with findings and a summary of the data must be presented to the DEP after completion of the testing phase and laboratory analysis for review and approval. After receiving such test results, a determination will be provided by the DEP if the results indicate that management is necessary. If the DEP determines that no management is necessary, written notice shall be given by the DEP.

If management is necessary according to test results, a proposed management plan must be submitted to the DEP for review and approval. The fee owner(s) of the lot(s) restricted by this (E) Designation must perform such management as determined necessary by the DEP. After completing the management, the fee owner(s) of the lot restricted by this (E) Designation should provide proof that the work has been satisfactorily completed.

A DEP-approved construction-related HASP would be implemented during excavation and construction activities to protect workers and the community from potentially significant adverse impacts associated with contaminated soil and/or groundwater. This Plan would be submitted to the DEP for review and approval prior to implementation. With the implementation of the (E) Designation, no significant adverse impacts related to hazardous materials would occur.

2. No. 7 Subway Extension

The contaminants that could potentially be encountered within the Project Area during the construction and/or excavation of the elements associated with the No. 7 Subway Extension include VOCs, SVOCs, PCBs and metals in both the soil and groundwater; additionally, NOA in bedrock could be encountered between 26th and 29th Streets. Contaminants that could be encountered as a result of the demolition of buildings include ACM, LBP, and PCB-containing equipment. The elements of the No. 7 Subway Extension include:

- Alignment (including lay down areas and shaft-ways);
- Site A and Site L; and
- Station Locations (including ancillary facilities).

Section H of this chapter includes preventative and management procedures that would be followed in order to minimize human contact with contaminants and eliminate the potential for significant adverse environmental impacts. Any such required action, investigation, or management would be conducted in accordance with those procedures as well as applicable law, and any additional regulatory requirements of the NYSDEC, DOL or DEP, as appropriate.

3. Corona Yard

The contaminants that could potentially be encountered during the construction and/or excavation of Corona Yard include VOCs, SVOCs, and metals in both soil and groundwater. Discussions between the NYSDEC and LIRR are ongoing to determine the appropriate management for the northeast portion of this site. The resolution of these discussions will result in a remedial action plan.

Underlying Queens County is an EPA-designated sole source aquifer that supplies drinking water for southeastern Queens and Long Island, as discussed in Chapter 13, "Natural Resources." The

7. Multi-Use Facility at Caemmerer Yard

The contaminants that could potentially be encountered during the construction and/or excavation on Caemmerer Yard (the area bound to the north by West 33rd Street, to the south by West 30th Street, to the east by Tenth Avenue, and to the west by Twelfth Avenue) include VOC, SVOCs, and metals, in both soil and groundwater, if the construction requires subsurface intrusion(s) that could impact groundwater, which could be required for footings of the deck proposed for the western part of the Yard. All petroleum-contaminated soil and groundwater would be managed as per the procedures set forth in Section H of this chapter, which include preventative and management procedures to be followed in order to minimize human contact with contaminants and eliminate the potential for significant adverse environmental impacts. Section H of this chapter includes preventative and management procedures that would be followed in order to minimize human contact with contaminants and eliminate the potential for significant adverse environmental impacts. Any such required action, investigation, or management would be conducted in accordance with applicable law, and any regulatory requirements of the NYSDEC, as appropriate.

8. Underground Public Parking Garage (under the Midblock Park and Boulevard System)

The contaminants that could potentially be encountered during the construction and/or excavation of the underground parking facility include VOCs, SVOCs, PCBs, and metals in both the soil and groundwater; should buildings be deconstructed as part of this action, ACM, LBP, and PCB-containing equipment are additional contaminants that could be encountered. Section H of this chapter includes preventative and management procedures that would be followed in order to minimize human contact with contaminants and eliminate the potential for significant adverse environmental impacts. Any such required action, investigation, or management would be conducted in accordance with applicable law, and any regulatory requirements of the NYSDEC, DOL or DEP, as appropriate.

9. Construction of southern portion of the Midblock Park and Boulevard System (Block 705 Lot 53 and 54)

Construction of the Midblock Park and Boulevard System is expected to begin in mid-2006 and progress north sequentially, with completion assumed before 2025. However, for the first construction analysis year, 2006/2007, only one block is projected to be under construction – the central portion of Block 705, bounded by West 33rd and West 34th Streets and Tenth and Eleventh Avenues. The major construction activities would include grading and the placement of a sand/gravel base; during such activities, the contaminants that could potentially be encountered include VOCs, SVOCs, PCBs, and metals in the soil. Groundwater is not expected to be affected. During the demolition of the existing three-story masonry structure ACM, LBP, and PCB-containing equipment could also be encountered. Section H of this chapter includes preventative and management procedures that would be followed in order to minimize human contact with contaminants and eliminate the potential for significant adverse environmental impacts. Any such required action, investigation, or management would be conducted in accordance with applicable law, and any regulatory requirements of the NYSDEC, DOL or DEP, as appropriate.

10. Relocation and Consolidation of NYPD Tow Pound, DSNY Facility and its Associated Parking Facility (or demolition of buildings to develop an at-grade park)

The contaminants that could potentially be encountered during the construction and/or excavation for the relocation and consolidation of the NYPD Tow Pound and DSNY include VOCs, SVOCs, PCBs, and metals in both the soil and groundwater; should buildings be deconstructed as part of this action, ACM, LBP, and PCB-containing equipment are additional contaminants that could be encountered. Section H of this chapter includes preventative and management procedures that would be followed

to West 42nd Street as indicated on Table 14-7. The major construction activities associated with the development of the aforementioned area would include demolition of buildings and the grading and placement of a sand/gravel base. Contaminants that could potentially be encountered include VOCs, SVOCs, PCBs, and metals in soil; groundwater is not expected to be affected but if it were to be, the same contaminants would be potentially encountered. During the demolition of buildings in this area, ACM, LBP, and PCB-containing equipment are likely to be encountered.

By 2025, the Midblock Park and Boulevard System on the block south of West 38th Street between Tenth and Eleventh Avenues would be constructed, requiring construction over the Empire Line. Construction methods for this segment differ from the initial segment (as discussed in 2010 Future With Proposed Action). The segment of the Midblock Park and Boulevard System constructed between 2010 and 2025 would be built partially over the rail cut, and a steel and concrete deck would be supported by driven piles.

This type of construction could result in encountering localized areas of contamination. The contaminants that could potentially be encountered include VOCs, SVOCs, PCBs, and metals in the soil and groundwater.

During the demolition of existing buildings contaminants that could potentially be encountered include ACM, LBP, and PCB-containing equipment.

3. Operations

All elements of the Proposed Action would be operational in this scenario. Since hazardous materials associated with each of the project elements would be managed, isolated, or removed during the construction phase, no significant impacts would occur during the operational phase of the Proposed Action.

H. SUMMARY OF MANAGEMENT MEASURES

Management measures have been developed to address potential hazardous materials that could be encountered through implementation of the Proposed Action. The management measures include implementation of a CEPP to manage hazardous materials during development of sites by the public Project Sponsors. Management measures for private development sites will be developed through the (E) Designation under the zoning amendments. The CEPP would consist of the development and implementation of specific measures to protect worker and public health and safety, as well as programs to manage contaminated materials during construction and thereby prevent any significant adverse impacts during construction from such materials. Implementation of these measures would also ensure that any hazardous materials that remain in place would be isolated to the extent required to prevent any significant adverse environmental impacts during the operational phase of the Proposed Action.

1. Further Investigations

Additional investigations, described below, would be undertaken, as appropriate, at properties to be acquired or developed privately to determine the nature and extent of contamination at the site of concern, and could include further regulatory agency document research, as well as soil and/or groundwater sample collection. Once the areas requiring excavation are better defined, and if physical testing is deemed necessary, a sampling protocol would be prepared. This protocol would indicate locations based on both the site's potential to have caused contamination and on the site's location relative to proposed construction activities for the Proposed Action. The following summarizes elements that the protocol used to conduct subsurface investigations would include:

- Illustrations that show the site location, the planned boring and monitoring well locations, and the field activities schedule

their respective project elements. The CEPP would include provisions for the following plans, described in detail below:

- Health and Safety Plan
- Soil Management Plan
- Spoils Management Plan
- Soil Gas Management Plan
- Groundwater Management Plan
- Petroleum Storage Tanks Management Plan
- Asbestos-Containing Building Materials Management Plan
- Lead-Based Paint Management Plan
- PCB-Containing Equipment Management Plan

a) Health and Safety Plan

HASPs would include measures to manage exposure to contaminated materials during construction associated with the Proposed Action. Each site specific HASP would include provisions for the handling of documented contaminated materials, as well as contingency measures to be taken if unanticipated contamination is encountered. For many of the activities associated with the Proposed Action, the OSHA provides regulations and guidelines that would be included in the HASP.

Implementation of the HASPs would be the principal means of protecting the workers and general public from exposure to contaminated materials. Contingencies to address potential hazards would also be included. Workers that have the potential to come in contact with contaminated materials would be required to read, understand, and implement the procedures specified in the HASPs. These procedures include health and safety guidelines and work practices to prevent exposure. The procedures would be developed through evaluation of the suspect contaminants and the work to be performed. Sampling and monitoring for the presence of contaminants would be included in the HASPs and implemented during the Proposed Action in accordance with OSHA regulations and guidelines. Monitoring of suspect contaminated materials would be performed through the analyses of air, soil, and rock to identify the presence of contamination and the need for additional testing.

As a requirement of the HASPs, personnel that have the potential to come into contact with contaminated materials would have specific training to assist them in identifying the presence of potential health and safety hazards. The HASP would include medical monitoring, certification, and training requirements for workers with the potential to encounter certain contaminated materials (e.g., lead, asbestos, hazardous waste, etc.).

b) Soil Management Plan

In general, the soil management plan would present the type of soil handling and disposal that would be utilized during construction activities. For contaminated soils that would remain in place, health and safety would be achieved through isolation. For contaminated soil that is excavated from the Project Area, off-site disposal would occur.

Isolation involves the construction of a barrier that prevents direct contact with, or migration of, contaminated soil. The use of impermeable barriers such as concrete and asphalt would also prevent percolation of surface water through subsurface soil, thus limiting the potential for contaminants to leach from soil to groundwater. Concrete and asphalt coverage serves as an effective isolation barrier. In-place isolation is a useful method of addressing contaminants such as metals, SVOCs, and PCBs, which are generally immobile. A layer of clean soil fill could be used to construct an isolation barrier in landscaped areas that would not be covered by impervious materials.

of waste being transported, and the truck routes that would be used to transport the waste. The vehicles and containers are designed to prevent the release of the waste material while it is being transported (i.e., trucks beds are enclosed with a tight fitting cover, roll-offs are sealed, etc.).

d) Soil Gas Management Plan

During construction activities, air monitoring, performed in accordance with the HASPs requirements, would be performed to assess the presence of contaminated soil gas. If present, contaminated soil gas (e.g., methane, hydrogen sulfide, VOCs) would be managed in accordance with the HASPs and Soil and Spoils Management Plans to prevent exposure to construction workers and the general public. Management options would include engineering controls and upgrading personal protective equipment used by the construction workers, which would be used separately or in combination, depending on the conditions encountered. Engineering controls would consist of ventilating the work area with exhaust fans. The use of vapor barriers and soil gas venting could also be used to treat contaminated soil gas in areas that would not be excavated. The ventilation exhaust would be treated on-site using contaminant-appropriate equipment (e.g., granulated activated carbon for VOCs) prior to discharging to the atmosphere. The HASPs would include contaminant-specific action levels that would identify conditions that require construction workers to upgrade their respiratory protection equipment. Real time contaminants-specific air monitoring would be performed in conjunction with respiratory protection upgrades to prevent exposure to the general public. As required, permits would be secured for any air treatment facilities.

e) Groundwater Management Plan

The groundwater management plan would provide a description of the methods used to collect, store, and dispose of contaminated water generated during dewatering activities. Additionally, the groundwater management plan would identify the permits required from the DEP and/or the NYSDEC to discharge the water into either the City's sewers or surface waters, respectively. Prior to obtaining DEP or NYSDEC discharge permits, groundwater would be sampled and analyzed to characterize its physical and chemical properties. Depending on the results of the analyses, the type of treatment prior to discharge, if required, would be determined. The type of treatment selected would be determined by the contaminants present in the groundwater. Both NYSDEC and DEP permits require that contaminated sediments (e.g., metals, PAHs PCBs) suspended in groundwater be removed prior to discharge. This would be achieved through the use of settling tanks and the injection of flocculants, causing suspended sediments to settle out of the water. The sediments would be analyzed to determine whether contaminants are present and, depending on the type and concentrations of contaminants, the disposal option that would be selected, as described in the soil management section.

If the groundwater contains VOCs, additional treatment would be performed on-site after the settling process and prior to discharge. The treatment could include agitation or the use of carbon filtration. Agitation extracts VOCs from the water by inducing them to partition into air, and is generally accomplished by forcing air through the water column in the other direction. Once the air passes through the water column, it is collected and filtered with carbon. The VOCs then adsorb to the carbon; and when the filters are spent, they are disposed of in a permitted facility. If this method is utilized, an air discharge permit would be obtained and discharges performed in accordance with the permit requirements (see Chapter 21, "Air Quality"). Alternatively, VOC- or PCB-contaminated groundwater could be filtered through carbon for treatment. This treatment utilizes a sealed container containing carbon, and VOCs and PCBs are removed as the water passes through the carbon.

Prior to implementing any treatment system or discharge of groundwater, samples would be collected and analyzed, a treatment system would be designed, and the information would be included in the NYSDEC or DEP permit applications. Approval from the responsible regulatory agency, in the form of a permit, would be obtained prior to construction activities. Depending on the quantity of water to

PB TEAM PHASE I EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 537-547 Tenth Avenue, New York, New York (Block 1069 Lots 29 and 34, hereafter referred to as the 'Subject Property"). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials, lead-based paint, and polychlorinated biphenyls. The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the No. 7 Subway Extension in conjunction with the Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 17,875-square foot rectangular-shaped parcel located on the west side of Tenth Avenue, between West 40th and West 41st Streets, in an area that is primarily characterized by commercial uses. Review of historical Sanborn Fire Insurance Maps identified RECs associated with historical uses of the Subject Property and adjoining properties. These historical RECs include a "Chinese Laundry", a gas station and an automobile repair garage at the Subject Property, and a coal yard, a piano factory and several gas stations at adjoining properties.

Review of regulatory agency databases identified the Subject Property, as well as two nearby facilities, as active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the Hudson Yards Rezoning and Development Program in conjunction with the proposed extension of the No. 7 Subway Extension; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses and three open NY Spills/LTANKS cases have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

PB TEAM PHASE II REPORT (EXTRACT)

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* The date and/or the revision number provided in the Footer indicates the date on which the Contract Document was prepared or the revision number used.

TABLE OF CONTENTS

TABLE OF CONTENTS (Continued)

FIGURES

APPENDICES

EXECUTIVE SUMMARY

The Parsons Brinckerhoff (PB) Team was retained by New York City Transit (NYCT) to perform a Phase I Environmental Site Assessments (ESA), for the properties located at 537 – 547 Tenth Avenue (hereafter referred to as "Site M"), New York, New York (Block 1069, Lots 29 and 34) for the No. 7 Subway Extension.

Site M is bound on the north by West 41st Street, on the south by West 40th Street, to the west by St. Raphael's Catholic Church, and on the east by Tenth Avenue. Site M is comprised of a 1-story CC Truck Rental Office and a paved, ground level parking lot.

During construction, Site M may be utilized as a temporary access for spoil removal for the Tenth Avenue Station cavern and various staging activities. The northern section of Site M would be excavated approximately 75 feet below grade for a new systems building to support the proposed Tenth Avenue Station of the No. 7 Subway Extension. These construction activities would occur primarily below grade through mining (drill and blasting) and excavation (cut-and-cover). The No. 7 Subway Extension running tunnel under West 41st Street, just north of Site M, would be mined by a Tunnel Boring Machine (TBM). The proposed development would require some degree of existing soil and bedrock excavation/removal, soil reuse and disposal, and dewatering to allow for construction. Potential exposure to hazardous materials is increased in areas of subsurface penetration such as during construction activities on Site M.

The purpose of the Phase II ESI was to determine if the environmental conditions identified in the Phase I Environmental Site Assessment (ESA), prepared by the PB Team in June 2004 (PB, 2004) for MTA/NYCT, have resulted in soil and/or groundwater impacts at the Site, and as such, would require management measures. The results of the Phase II ESI were then used to characterize chemical and physical characteristics of the soil and groundwater at the Site. The characterization was used to evaluate potential risks to workers and the general public, and it provides guidance to determine the required procedures for managing soil and/or groundwater encountered during construction.

The field investigation was performed from December 21st to December 22nd, 2005 and included the advancement of ten (10) soil borings and collection of three (3) groundwater samples. All borings were advanced to a refusal, which was encountered at approximate depths of 15 to 30 feet below the ground surface. At locations where shallow refusals were encountered, repeated attempts were made to reach the anticipated depth of the bedrock. The depth of deep refusals during this investigation was consistent with the anticipated depth of the bedrock (with the exception of GP-5 - see below). One common characteristic of all sampling locations at this site was a very significant thickness of structural fill composed primarily of construction debris (up to 16 feet). At location GP-5, at the center of the northern section of the site, the entire sampling column from the grade to 16' below grade (BG) was composed of construction debris, with a refusal at 16' BG likely due to the debris.

Samples from all soil borings were submitted for analysis for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) identified in the New York State Department of Environmental Conservation (NYSDEC) Spill Technology and Remediation Series Memo #1 (STARS), Target Analyte List (TAL) Metals, pesticides and polychlorinated biphenyls (PCBs), PLM Asbestos and Resource Conservation and the Recovery Act (RCRA) Waste Characteristics reactivity, corrosivity, and flashpoint.

The laboratory results indicate that the soils at the Site contain elevated concentrations of SVOCs, pesticides and metals. The compounds detected are commonly present in fill materials located throughout New York City. The absence of high concentrations of target contaminants in the groundwater samples indicates the likelihood of relatively small-quantity localized releases of SVOC on-site, as well as the presence of high levels of metals in the structural fill used to raise the surface elevation of the site. The NYSDEC *may* not permit reuse of soil excavated from the site due to the elevated concentrations of SVOCs and metals. Based on the results of the laboratory analysis, the subsurface material excavated during construction would likely be classified as non-hazardous waste if it is determined that off-site disposal is required.

Prior to construction, the Contractor is required to prepare an Environmental Assessment Report (EAR), which shall include pre-construction characterization of all materials to be generated during construction.

The proposed excavation will extend into the bedrock, to depths in excess of the maximum depth achieved during the Phase II assessment. A possibility exists for contaminants to be present in the fractured bedrock below the Site M; however, based on results of this study the possibility of this is very low. The Contractor will be required to prepare a Site-Specific Health and Safety Plan and Site-Specific Soil Management Plan to address the handling and management of soil excavated from the Site during the construction activities. Due to the extent of excavation and proposed construction activities at the Site, off-site disposal of soil is expected. The laboratory results indicate that soil would likely be classified as non-hazardous waste.

The groundwater samples were analyzed for VOCs, SVOCs, TAL Metals, and PCBs. Additionally, one groundwater sample was analyzed for New York City Department of Environmental Protection (NYCDEP) Limitations for Effluent to Sanitary or Combined sewers.

The results of the laboratory analyses of groundwater revealed that in the northern section of the Site, slight VOC and metal contamination is present in the groundwater. However, none of the parameters (with the exception of Zinc and Total Suspended Solids (TSS)) exceed the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 criteria or the NYCDEP Limitations for Effluent to Sanitary or Combined sewers. The elevated concentrations of Zinc, as well as elevated TSS values can be removed by the use of a sedimentation tanks prior to discharge into the sewer.

1.0 INTRODUCTION

The Parsons Brinckerhoff (PB) Team was retained by New York City Transit (NYCT) to perform a Phase I Environmental Site Assessments (ESA), for the properties located at 537 – 547 Tenth Avenue (hereafter referred to as "Site M"), New York, New York (Block 1069, Lots 29 and 34) for the No. 7 Subway Extension.

During construction, Site M may be utilized as a temporary access for spoil removal for the Tenth Avenue Station cavern and various staging activities. The northern section of Site M would be excavated approximately 75 feet below grade for a new systems building to support the proposed Tenth Avenue Station of the No. 7 Subway Extension. These construction activities would occur primarily below grade through mining (drill and blasting) and excavation (cut-and-cover). The No. 7 Subway Extension running tunnel under West 41st Street, just north of Site M, would be mined by a Tunnel Boring Machine (TBM). The proposed development would require some degree of existing soil and bedrock excavation/removal, soil reuse and disposal, and dewatering to allow for construction. Potential exposure to hazardous materials is increased in areas of subsurface penetration such as during construction activities on Site M.

The purpose of the Phase II ESI was to determine if the environmental conditions identified in the Phase I Environmental Site Assessment (ESA), prepared by the PB Team in June 2004 (PB, 2004) for MTA/NYCT, have resulted in soil and/or groundwater impacts at the Site, and as such, would require management measures. The results of the Phase II ESI were then used to characterize chemical and physical characteristics of the soil and groundwater at the Site. The characterization was used to evaluate potential risks to workers and the general public, and it provides guidance to determine the required procedures for managing soil and/or groundwater encountered during construction.

The Phase I ESA identified Recognized Environmental Conditions (RECs) associated with Site M. These RECs are listed below.

- *Historical Use of Property.* Site M (Lots 29 and 34, CC Truck Rental Office and Parking Lot) is located between West 41st Street and West 40th Street along Tenth Avenue, in an area primarily characterized by industrial, transportation, manufacturing, commercial, and limited residential uses. Based on a review of Sanborn Fire Insurance Maps, historical uses of the Subject Property considered RECs include: a "Chinese Laundry", a gas station and an automobile repair garage at the Subject Property, and

- *Historic Fill.* Site M was constructed on land that was filled-in during the later part of the 18th Century. The material used to create the land is of an unknown source and may contain elevated concentrations of Semi-Volatile Organic Compounds and/or metals.

- *Historical Use of Surrounding Properties.* At adjoining properties the REC's included: a coal yard, a piano factory and several gas stations, which may have resulted in release of petroleum, and possibly metals, to subsurface soil and groundwater, which could affect conditions at the property.

- *Petroleum Release On-Site and Surrounding Properies.* The New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) database, identified the Subject Property and a total of 54 NY Spills/LTANKS incidents within a one-half mile radius of the Subject Property. Of these, 33 were closed cases and 16 were cross- or downgradient of the Subject Property and are not considered RECs. Of the remaining

five open cases, one is the Subject Property and four are either upgradient or in close proximity (adjacent) to the Subject Property. Based on the distances, assumed hydraulic gradients, and current regulatory status, three cases are considered RECs because they have the potential to have impacted soil and/or groundwater at the Site M. The remaining two facilities listed are not considered RECs. Although upgradient of the Site M, these cases do not involve releases that have the potential to impact the Site M based on their distances and/or the significance of the reported spill. Contaminated soil discovered during tank removal at an old gas station on 6/29/95 .

A site visit was conducted in September 2003 and November 2005. Site M is currently used as a commercial truck and van rental facility, and is an approximately 17,875-square foot lot paved with asphalt. Site M is bound on all sides by a chain-link fence. A church is located adjacent to the Site M to the west and a staging area for construction equipment is located to the south, across West 40th Street. The northern half of the Site M is occupied by a single-story concrete block structure with two bay doors. The building is similar in design to a gas station building, which is consistent with the Sanborn map review, which notes the presence of a gas station on the site from at least 1950 to 1996. The building is utilized as the offices of Courier Car Rentals, Inc. According to an employee, the building is heated by electric baseboards and no vehicle fueling is performed onsite. The former garage area of the building is utilized for storage. No automobile lifts were observed in this area. South of the building, the area is paved and occupied by a billboard. In the vicinity of the billboard and slightly to the north, the remains of a building foundation are visible protruding from the asphalt. This observation is consistent with the Sanborn map review, which notes the presence of an automobile repair garage until approximately 1996. The southern half of Site M is paved and used for vehicle parking. No evidence of fill and vent pipes associated with USTs was observed on the Site M or surrounding sidewalks. Minor pavement staining, typical of parking lots, was observed in various locations. This staining is considered a *de minimus* condition. No other evidence of contamination was observed, and no RECs were identified during the site inspection.

Because the Phase I ESA indicated potential sources of contamination (e.g., historical fill, historic site usage, underground storage tanks, nearby off-site sources), it is necessary to characterize the potential for subsurface materials to contain hazardous materials. As such, further investigations of the soil and groundwater quality of Site M are necessary and can be determined through a Phase II Environmental Site Investigation (ESI) of the property.

The objective of the Phase II ESI is to determine if the RECs identified in the Phase I ESA have resulted in soil and/or groundwater contamination beneath the Site that would require management measures. The results of the Phase II ESA are then used to characterize soil and groundwater at the Site and evaluate the potential risks to workers and the general public, as well as provides guidance on determining the procedures for managing soil and groundwater encountered during construction.

Phase II ESI consisted of the advancement of ten (10) soil borings (GP1-GP10) and collection of three (3) groundwater samples for laboratory analyses. Soil samples were collected for laboratory analysis from each of the borings as described in Section 4.1. Groundwater samples were collected from two temporary groundwater monitoring points and from one existing monitoring well.

This report provides a summary of the Site and surrounding area, the findings of the ESA, a discussion of the ESA activities performed, a presentation of the ESA findings and conclusions and recommendations.

2.0 BACKGROUND

As part of the Phase I ESA (PB, 2004) historical records (e.g., site land uses) and regulatory agency databases were reviewed; as a result of this review, RECs were identified both on- and off-site. On-site RECS include a "Chinese Laundry", a gas station and an automobile repair garage. At adjoining properties the REC's included a coal yard, a piano factory and several gas stations, which may have resulted in release of petroleum, and possibly metals, to subsurface soil and groundwater, which could affect conditions at the property. Also according to the Phase I ESA, three spill cases are considered RECs because of the proximity and assumed hydraulic gradients have the potential to have i mpacted soil and/or groundwater at the Site M.

The site reconnaissance portion of the Phase I ESA identified the presence of possible asbestos-containing materials (ACM) used in the construction of the 1-story building on-site, as well as, former USTs. A gas station operated on the site from at least 1950 to 1996. No details on the date of installation or tightness testing were available for storage tanks. An asbestos inspection and material survey was subsequently performed and its findings are under separate cover.

Review of regulatory agency databases identified the Site on the Emergency Response Notification System (ERNS) database, which is a record of spills of hazardous materials reported to the United States Environmental Protection Agency (USEPA). No further information regarding spills of hazardous materials was available.

Review of regulatory agency databases identified three facilities with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs. Two of the three spills have the same address as facilities listed in the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database.

A review of Site history, regulatory agency records, and observations made during a field screening of geotechnical alignment soil borings indicate that contamination, including volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, and polychlorinated biphenyls (PCBs) may be present in subsurface soil and groundwater.

3.0 PHYSICAL SETTING

Site M is situated in an area (see Figures 1 and 2) that was originally nearby the historic shoreline of the Hudson River located near the present Eleventh Avenue. Through urban developments, which began in the mid-1800s, the area was extended toward the shoreline and beyond the present Eleventh Avenue, and was filled with soil, rock and miscellaneous debris to create land that was utilized in the late 1800s by a "Chinese Laundry", and then later as a gas station and an automobile repair shop (Sanborn Fire Insurance Maps). CC Truck Rental is the present owner of Site M and operates a truck rental business, utilitizing the building for offices and the parking lot as for vehicle storage.

3.1 Topography

Based on a review of the United States Geological Survey (USGS) 7.5-Minute Quadrangle Map, *Weehawken and Jersey City, New Jersey-New York, Central Park, New York – New Jersey, and Brooklyn, New York Quadrangles*, the elevation of the Site is approximately 25 feet above mean sea level. The site reconnaissance revealed the Site to be on a gently sloping plain, with a slight gradient to the west. The PB Team's review of the USGS map indicated that the area's general topographic gradient is to the west. A copy of the topographic map is presented in Figure 1.

3.2 Geology

Site M is underlain by the Manhattan Prong of the New England Uplands physiographic province. The bedrock of the Manhattan Prong underlies much of southwestern Connecticut, Westchester County, New York, and New York City, and ends at the southern tip of Manhattan Island. Three distinct metamorphic rock formations make up the Manhattan Prong; known collectively as the New York City Group. These formations are: the highly folded and contorted Fordham gneiss, the oldest and most widespread of the formations; the Inwood marble, derived from dolomitic limestone; and the younger Manhattan Formation, consisting largely of mica schist, overlying the Inwood marble and making up most of the rock outcrops on Manhattan Island. The soils are mostly acidic, shallow to deep, and rocky (Baskerville 1989). Surficial geology in the vicinity of the Site M is expected to consist of Pleistocene deposits of till and stratified drift, overlain by Holocene deposits. The till was deposited as ground moraine, is less than 25 feet thick in most places and is discontinuous, while Holocene deposits consist of salt marsh deposits, alluvium and shoreline or beach deposits. These sediments consist of sand, gravel, silt, organic silt, peat, loam and shells. Artificial fill overlies most Holocene deposits and contains various mixtures of soil (Baskerville 1989).

3.3 Hydrology

Manhattan Island is underlain by pre-Cambrian metamorphic rocks which have been tightly folded and subsequently eroded. In most places, these pre-Cambrian rocks are overlain by a thin covering of Pleistocene deposits, consisting chiefly of till. The rock beneath most of the island is the Manhattan schist. Manhattan schist contains some joints, irregular fractures and faults along which groundwater moves, but in some places chemical weathering has filled these openings with clay. The Manhattan schist underlies more than three-fourths of Manhattan, but it is not considered to be an important source of groundwater since openings in the bedrock that yield water through joints and fractures are minimal (Perlmutter and Arnow 1953). Due to the thinness and low permeability of the Pleistocene till, water yields are low. However, there are two large bodies of stratified drift in Manhattan that contain and yield considerable groundwater. Neither of these bodies, which are associated with the prominent depressions in the bedrock

surface, is located in close proximity to the Site M. One is located in northern Manhattan (extending from 96th Street and the East River to about 145th Street and the Hudson River), while the other is located in southern Manhattan (all of the island south of 14th Street) (Perlmutter and Arnow 1953).

Based on a review of existing information, groundwater beneath Site M is expected to flow to the west, ultimately discharging into the Hudson River, located approximately 1,000 feet west of Site M. Surface drainage, based on identified topography, flows west from Site M. Estimated groundwater levels and/or flow direction(s) may vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures, or dewatering operations. Stormwater runoff from the Site M is expected to drain into stormwater drains located along West 41st Street and Tenth Avenue. Based on a review of the 1975 New York State Department of Environmental Conservation (NYSDEC) Freshwater Wetlands Map, New York County, Map 2 of 4, no wetlands that are regulated under the Freshwater Wetlands Act are present in the Borough of Manhattan. A review of National Wetlands Inventory (NWI) information indicated that no wetlands were present on or adjacent to the Subject Property. The Federal Emergency Management Agency's digital Q3 flood data for Site M were reviewed. The Q3 data indicated the Subject Property is located outside the 100-year and 500-year flood boundaries. Digital Q3 flood data are developed by scanning the existing Flood Insurance Rate Map (FIRM) hardcopy, vectorizing a thematic overlay of flood risks. Vector Q3 flood data files contain only certain features from the existing FIRM hardcopy and are contained in one single countywide file, including all incorporated and unincorporated areas of a county. Digital Q3 flood data are designed to support planning activities, some Community Rating System activities, insurance marketing, and mortgage portfolio reviews. The file does not provide base flood elevation information; thus, it has limited application for engineering analysis, particularly for site design. The product is a valuable tool however in screening property addresses within a Geographic Information System to determine flood risks.

4.0 TECHNICAL OVERVIEW

The field effort for the Phase II ESA was performed from December 21 to December 22, 2005 and consisted of the advancement of ten (10) environmental soil borings and sampling of three (3) groundwater monitoring wells in accordance with the Work Plan (PB, 2005). Deviations from the Work Plan are described within the following paragraphs.

An asbestos inspection and material survey was also performed and its findings are under separate cover.

4.1 Environmental Soil Sampling

Ten environmental soil borings were advanced at the Site and were identified as borings GP-1 through GP-10. The soil boring locations are presented on Figure 3.

Project representatives performed utility clearance notification prior to drilling. After the boring locations were selected, and cleared of obstructions, the soil borings were initiated by hand auguring to a depth of 5 feet (where possible) below the ground surface (ftbgs) to provide an additional level of protection against disrupting any unknown utilities buried below the surface.

Soil samples were collected for laboratory analysis from each of the borings.

Drilling was performed by Precision Sampling, Inc. of Yorktown, NY and ZEBRA Environmental of Lynbrook, NY.

All borings were advanced to a refusal, which was encountered at approximate depths of 15 to 30 feet below the ground surface. At locations where shallow refusals were encountered, repeated attempts were made to reach the anticipated depth of the bedrock. The depth of deep refusals during this investigation was consistent with the anticipated depth of the bedrock (with the exception of GP-5 - see below). One common characteristic of all sampling locations at this site was a very significant thickness of structural fill composed primarily of construction debris (up to 16 feet). At location GP-5, at the center of the northern section of the site, the entire sampling column from the grade to 16' below grade (BG) was composed of construction debris, with a refusal at 16' BG likely due to the debris.

Soil samples were retrieved using 4-foot long, 2-inch diameter Macro-Core samplers advanced continuously from the grade to the refusal. The recovered soils were lithologically classified using the Burmister field soil classification system. Boring logs were generated for each location, and are provided in Appendix A and soils encountered are described in Section 3.2.

During the advancement of the soil borings, a PB Team member visually inspected and continuously screened recovered soil samples and soil cuttings for organic vapors using a 10.2 eV photo-ionization detector (PID). There were no visual or olfactory indicators of contamination observed in soil recovered from the soil borings. Soil PID screening results are provided on the boring logs in Appendix A.

The soil borings were installed to investigate potential impacts associated with historic usage and current spills.

Samples were analyzed for VOCs, SVOCs, TAL Metals, Pesticides/Herbicides (only for samples to be collected from the depth interval of 0 to 6 ftbgs), PLM Asbestos and PCBs identified in the

NYSDEC TAGM HWR-4046 and RCRA Waste Characteristics (i.e., toxicity, reactivity, corrosivity, and flammability).

Soil samples were collected in laboratory-supplied glassware, were labeled with the project name, sample location, time of collection, and stored at a temperature below 4°C prior to delivery to American Analytical Laboratories LLC of Farmingdale, NY for laboratory analyses.

Following completion of the soil borings, and collection of groundwater samples as described in Section 4.2, the drilling contractor grouted the soil borings to the surface and restored the surface with like materials (e.g., asphalt or concrete).

4.2 Groundwater Sampling

As part of this Phase II ESI for Site M, a groundwater sampling program has been implemented to assess groundwater quality. Contaminants in groundwater at Site M may be present as a result of the contaminant leaching from historic fill material, leaching from hazardous materials or petroleum products released as part of the historic usage of Site M, releases from former on-site USTs, and releases from surrounding properties. The groundwater sampling plan included both the installation of temporary groundwater monitoring points, and sampling of existing monitoring wells to permit the collection groundwater samples for laboratory analyses.

Three (3) groundwater samples have been collected. The wells were sampled using a peristaltic pump and polyethylene tubing. Prior to sampling, the wells were purged using a submersible groundwater pump. The purge amount equaled 3 well volumes. Groundwater samples were containerized in laboratory-supplied, pre-preserved sample bottles. Each bottle was labeled with the project name, sample location, time of collection, and stored at a temperature below 4°C prior to delivery to the laboratory for analyses.

The groundwater samples were shipped to American Analytical Laboratories LLC of Farmingdale, NY for analysis of VOCs, SVOCs, TAL Metals, and PCBs. Additionally, samples were analyzed for NYCDEP Limitations for Effluent to Sanitary or Combined sewers.

5.0 RESULTS

The soil analytical data results were compared to the NYSDEC TAGM HWR-94-4046 Recommended Soil Cleanup Objectives (RSCOs). The TAGM provides a basis to determine soil cleanup levels at hazardous waste and spill sites when the Director of NYSDEC's Division of Environmental Remediation determines that cleanup of a site to predisposal conditions is not possible or feasible. The TAGM RSCOs were compared to Phase II ESI laboratory results to determine if the soil is contaminated. Laboratory summary pages are provided as Appendix B and Tables 1 through 4 present a summary of the soil analytical laboratory results. The soil boring logs describing the soil types and fill materials encountered are provided in Appendix A.

The groundwater analytical data results are summarized in Tables 5 through 8, and the laboratory summary pages are provided in Appendix B. The field duplicate sample was collected from the TWP installed in soil boring S-2. The results of the groundwater analyses were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, as well as the NYCDEP Limitations for Effluent to Sanitary or Combined and Storm Sewers (Limitations for Effluent to Sewers).

5.1 Soil Sample Results

Volatile Organic Compounds (VOCs)

The laboratory results for VOCs in soil are summarized in Table 1. Acetone above TAGM RSCO levels were detected in boring GP-1. Acetone is a common laboratory contaminant from sample handling rather than represent conditions in soil at the Site, although it possible to have residual acetone present from a previous site use. It is important to notice that a possibility for the presence of VOC and SVOC contaminants exists in the northern part of the Site, as indicated by the groundwater sampling results (GW-1). However, geologic the concentrations detected in groundwater are rather low and may be caused by migration from off-site sources.

Semi-Volatile Organic Compounds (SVOCs)

The laboratory results for SVOC analysis for soil are presented in Table 2. SVOCs above TAGM RSCO levels were detected in samples from locations GP-2, 7 and 6. At all locations SVOC contamination was concentrate at depth exceeding 12' BG. At location GP-1, the concentrations of SVOCs, although not in exceedence of the TAGM Soil Cleanup Objectives, have exceeded US EPA health-based criteria. The following SVOCs were detected in soil at concentrations exceeding the TAGM RSCOs :

- Benzo(a)anthracene (GP-2, GP-7, GP-6)
- Benzo(a)pyrene (GP-2 & GP-6)
- Benzo(b)fluoranthene (GP-2, GP-6 & GP-7)
- Benzo(k)fluoranthene (GP-2)

- Chrysene (GP-2, GP-6)
- Dibenzo(a,h)anthracene (GP-2)
- Indeno(1,2,3-c,d)pyrene (GP-2)

No other SVOCs were detected at concentrations exceeding the TAGM RSCOs in soil samples. The detected SVOCs include known or suspected carcinogens and systematic toxins. Provisions must be made to ensure proper protection of the workers during construction activities.

Metals

The laboratory results for metals analysis for soil are presented in Table 3. Metals at or above TAGM RSCO were detected in samples from the majority of borings throughout the site. The following metals were detected in soil at concentrations exceeding the TAGM RSCOs:

- Lead (GP-2 – above upper limit of normal industrial background)
- Mercury (GP-1, GP-2, GP-3, GP-4, GP-7, GP-10)
- Iron (all locations)
- Nickel (GP-2, GP-10, GP-6)
- Copper (GP-2, GP-4)
- Chromium (GP-1, GP-2, GP-3, GP-4, GP-6, GP-7, GP-9, GP-10)
- Cadmium (GP-5)
- Barium (GP-2, GP-4)
- Arsenic (GP-7)
- Zinc (all locations)

No other metals were detected at concentrations exceeding the TAGM RSCOs in soil samples. For some metals detected, including aluminum, calcium, lead, magnesium, manganese, potassium, and sodium, the TAGM RSCO is listed as "site background" only. Background concentrations of Iron vary widely, it's toxicity very low or none in most forms, and it should not be considered and contaminant of concern on this site.

The presence of the TAL metals on this site will require implementation of proper dust suppression and dust control systems during construction activities. Additionally, it is recommended to perform personnel exposure assessment during the excavating and blasting activities.

Polychlorinated Biphenyls (PCBs) and Pesticides

The laboratory results for the PCB analysis for soil are summarized in Table 3. PCBs were not detected in the soil samples analyzed.

Results for the pesticide analyses for soil are summarized in Table 4. The pesticide 4,4'-DDT was detected in soil samples from GP-4, considerably exceeding both exceed the TAGM RSCOs and US EPA health-based criteria.

A highly toxic pesticide Chlordane was detected at locations GP-3, GP-4 and GP-5 in concentrations exceeding TAGM RSCOs.

The pesticide Heptachlor was detected at location GP-3 in concentrations exceeding TAGM RSCOs.

Considering the fact that soil samples were collected as depth composites, a possibility exists for very high, localized concentrations of the above pesticides at shallow depth. A comprehensive field screening and sampling program must be implemented by the Contractor to protect workers from exposure to the pesticides during construction activities.

RCRA Hazardous Waste Characteristics

The laboratory results for the RCRA Hazardous Waste Characteristics for soil are summarized in Table 4. The soil samples were analyzed for flashpoint, reactivity and corrosivity. Results of these analyses revealed that the soil samples did not exhibit characteristics of RCRA hazardous waste.

Due to high concentrations of metals in soil samples, a composite sample was submitted for TCLP analysis for TAL Metals. No parameters were found to exceed regulatory limits for disposal as non-hazardous waste.

Summary of Soil Sampling Results

The laboratory results indicate that the soils at the Site contain elevated concentrations of SVOCs, pesticides and metals. The compounds detected are commonly present in fill materials located throughout New York City. The absence of high concentrations of target contaminants in the groundwater samples indicates the likelihood of relatively small-quantity localized releases of SVOC and pesticides on-site, as well as the presence of high levels of metals in the structural fill used to raise the surface elevation of the site. The NYSDEC *may* not permit reuse of soil excavated from the site due to the elevated concentrations of SVOCs and metals. Based on the results of the laboratory analysis, the subsurface material excavated during construction would likely be classified as non-hazardous waste if it is determined that off-site disposal is required. .

Analysis for RCRA Characteristics revealed that site soils would not be considered RCRA hazardous waste.

5.2 Groundwater Sampling Results

Volatile Organic Compounds (VOCs)

The results of the VOC analysis for groundwater are presented in Table 5. The BTEX VOCs were detected in sample GW#1 (location GP-2 - North Side of the site) and benzene was detected in Sample GW#2 at a concentration exceeding the NYSDEC Groundwater Standards, but NOT exceeding NYCDEP Limitations for Effluent to Sewers. Since the groundwater at the site will not be used for human consumption and there are no sensitive ecological receptors in the area, the results indicate the possibility of direct discharge of the effluent of any dewatering operation into sanitary sewer (provided that all other NYCDEP criteria are met).

Semi-Volatile Organic Compounds (SVOCs)

A summary of the SVOC results for groundwater are presented in Table 6. SVOCs were NOT detected in any groundwater samples in concentrations exceeding either of the two referenced standards.

Metals

A summary of the metals results is presented in Table 7.

No metals were detected at concentrations exceeding applicable discharge limits, with the exception of Zinc. Processing of effluent water in sedimentation tanks is likely to lower the concentration of Zinc below regulatory limits.

Polychlorinated Biphenyls (PCBs)

A summary of the analytical results for PCB analysis is presented in Table 7. PCBs were not detected in the groundwater samples.

NYCDEP Sewer Discharge Requirements(excluding contaminant concentration listed above)

A summary of the laboratory results for these analyses is presented in Table 8. Laboratory analytical results for the groundwater samples revealed that the samples did not contain concentrations of hexavalent chromium, or exhibited pH that exceed the NYCDEP Limitations for Effluent to Sanitary or Combined Sewers. The total suspended solids values were in excess of NYCDEC limits, indicating the need for sedimentation tanks as a part of the effluent treatment system on site.

Summary of Groundwater Sampling Results

The results of the laboratory analyses of groundwater revealed that in the northern section of the Site, slight VOC and metal contamination is present in the groundwater. However, none of the parameters (with the exception of Zinc and Total Suspended Solids(TSS)) exceed the NYCDEP Limitations for Effluent to Sanitary or Combined Sewers criteria for discharge into sanitary or combined sewers. The elevated concentrations of Zinc, as well as elevated TSS values can be removed by the use of a sedimentation tanks prior to discharge into the sewer.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The following activities were performed for the Phase II ESI:

- Advancement of ten environmental soil borings;
- Collection of ten (10) grab and composite soil samples for laboratory analyses; and
- Collection of three (3) groundwater samples for laboratory analyses.

The following conclusions are based on field observations and laboratory results obtained from the investigation. Based on the conclusions recommendations are provided with regard to provisions for worker and community health and safety, as well as for handling and disposal of soil and groundwater encountered during the construction activities.

6.1 Soils

The laboratory results indicate that the soils at the Site contain elevated concentrations of SVOCs, pesticides and metals. The compounds detected are commonly present in fill materials located throughout New York City. The absence of high concentrations of target contaminants in the groundwater samples indicates the likelihood of relatively small-quantity localized releases of SVOC on-site, as well as the presence of high levels of metals in the structural fill used to raise the surface elevation of the site. The NYSDEC *may* not permit reuse of soil excavated from the site due to the elevated concentrations of SVOCs and metals. Based on the results of the laboratory analysis, the subsurface material excavated during construction would likely be classified as non-hazardous waste if it is determined that off-site disposal is required.

Prior to construction, the Contractor is required to prepare an Environmental Assessment Report (EAR), which shall include pre-construction characterization of all materials to be generated during construction. Based on our previous experience, determination as to reuse options will be made by NYSDEC based on sampling results of excavated and stockpiled material. The contractor should be prepared to handle the costs and logistics of off-site disposal of excavated contaminated soil.

The proposed excavation will extend into the bedrock, to depths in excess of the maximum depth achieved during the Phase II assessment. A possibility exists for contaminants to be present in the fractured bedrock below the Site M; however, based on results of this study the possibility of this is very low. The Contractor will be required to prepare a Site-Specific Health and Safety Plan and Site-Specific Soil Management Plan to address the handling and management of soil excavated from the Site during the construction activities. Due to the extent of excavation and proposed construction activities at the Site, off-site disposal of soil is expected. The laboratory results indicate that soil would likely be classified as non-hazardous waste.

6.2 Groundwater

The results of the laboratory analyses of groundwater revealed that in the northern section of the Site, slight VOC and metal contamination is present in the groundwater. However, none of the parameters (with the exception of Zinc and Total Suspended Solids(TSS)) exceed the NYCDEP Limitations for Effluent to Sanitary or Combined Sewers criteria for discharge into

sanitary or combined sewers. The elevated concentrations of Zinc, as well as elevated TSS values can be removed by the use of a sedimentation tanks prior to discharge into the sewer.

6.3 Additional Investigation

The proposed excavation will extend into the bedrock, to depths in excess of the maximum depth achieved during the Phase II assessment. A possibility exists for contaminants to be present in the fractured bedrock below the Site M; however, based on results of this study the possibility of this is very low. Therefore, additional investigation is NOT recommended for this site.

6.4 Health and Safety

The Contractor is required to prepare a Site-Specific Health and Safety Plan and Site-Specific Soil Management Plan to address the handling and management of soil excavated from the Site during the construction activities. The presence of high concentrations of carcinogenic SVOCs, persistent pesticides such as 4,4'-DDT and Chlordane and heavy metals in the soil samples indicates the need to develop a site-specific Exposure Assessment, Personal Protective Equipment, Ambient Air Monitoring and Dust Control Plans.

7.0 REFERENCES

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FIGURES

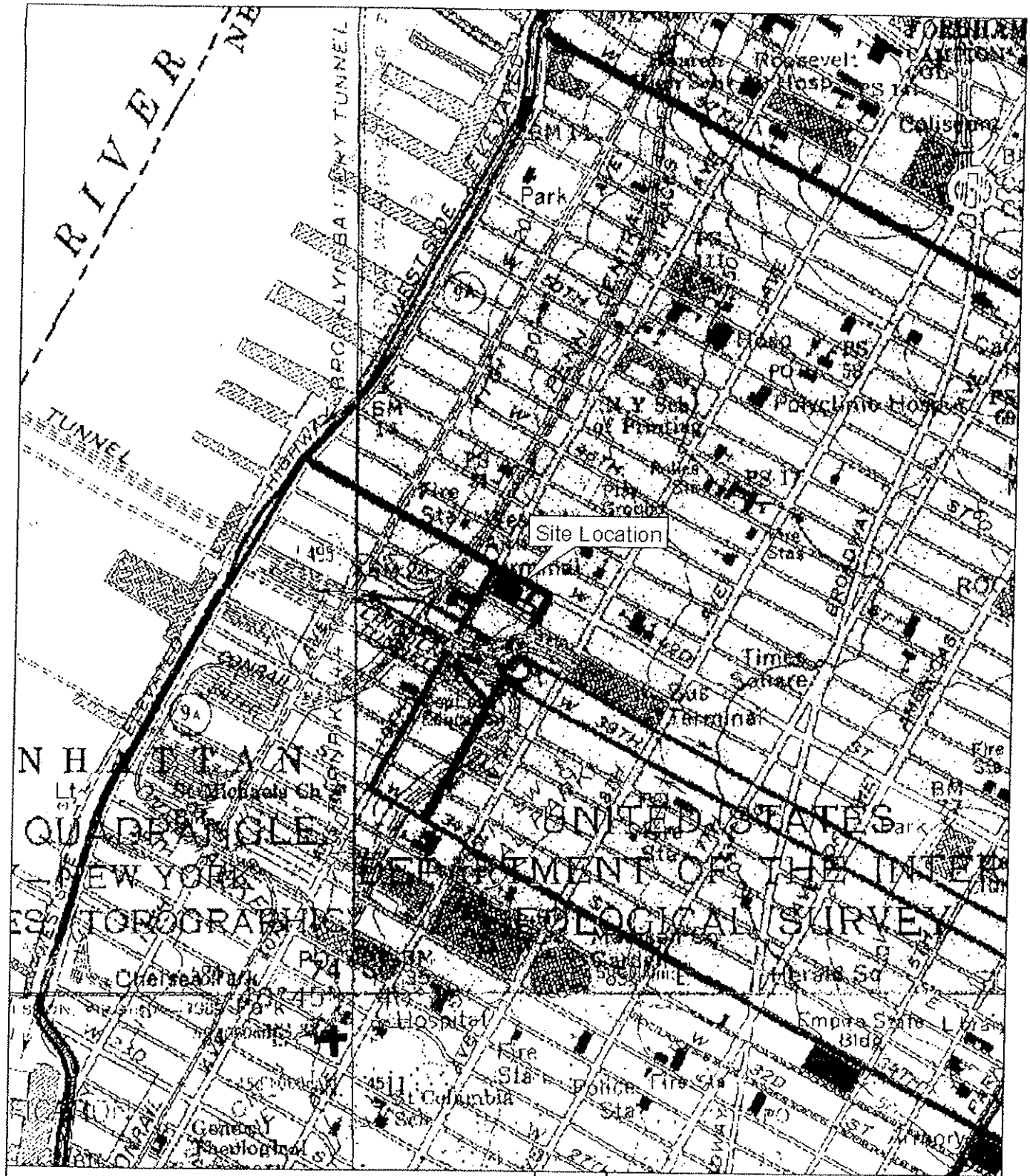
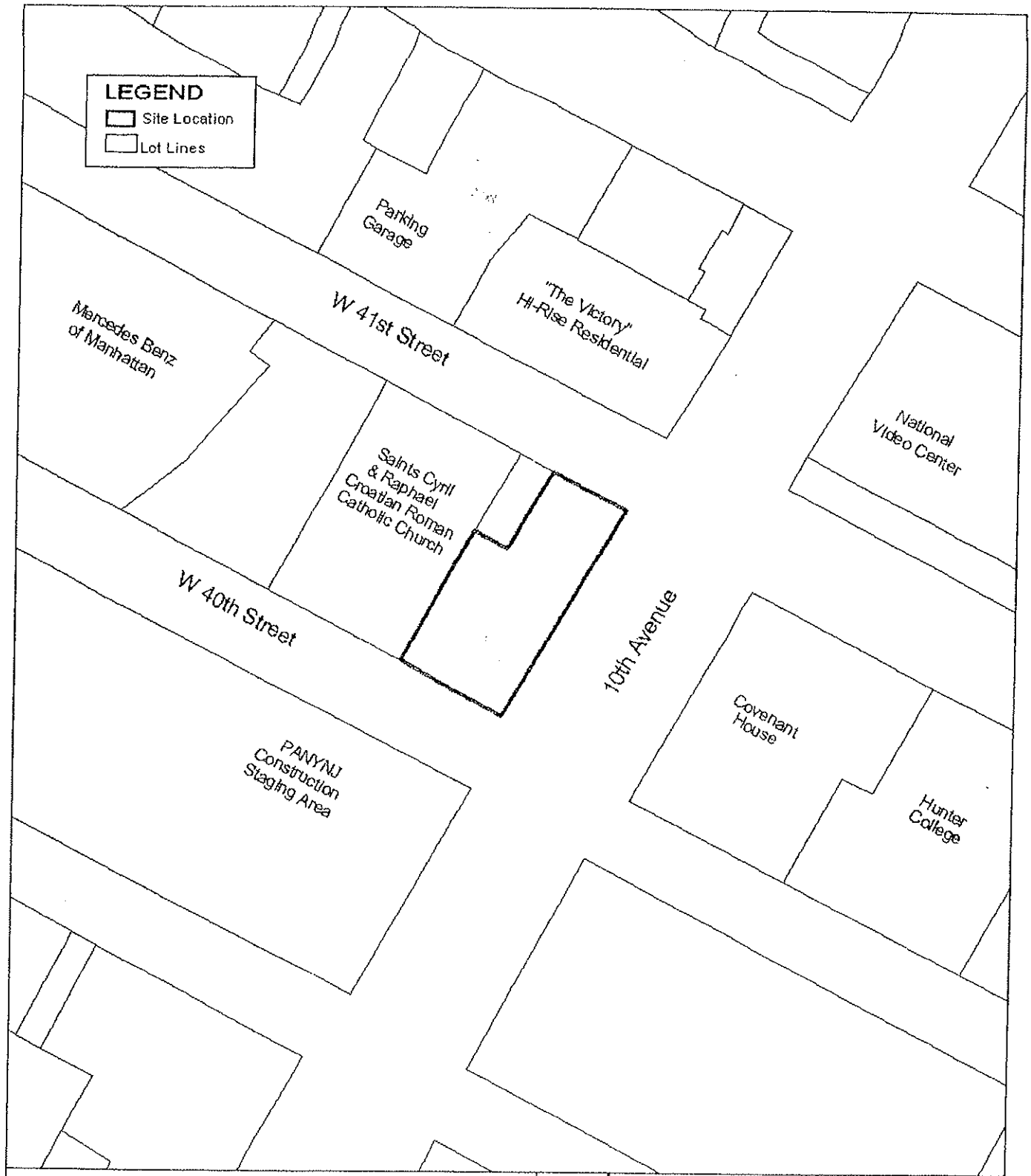


Figure 1
Site Location Map
Block 1069, Lots 29 & 34
537 - 547 10th Avenue
New York, NY

Scale 1" = 1000 ft | Date 11/03

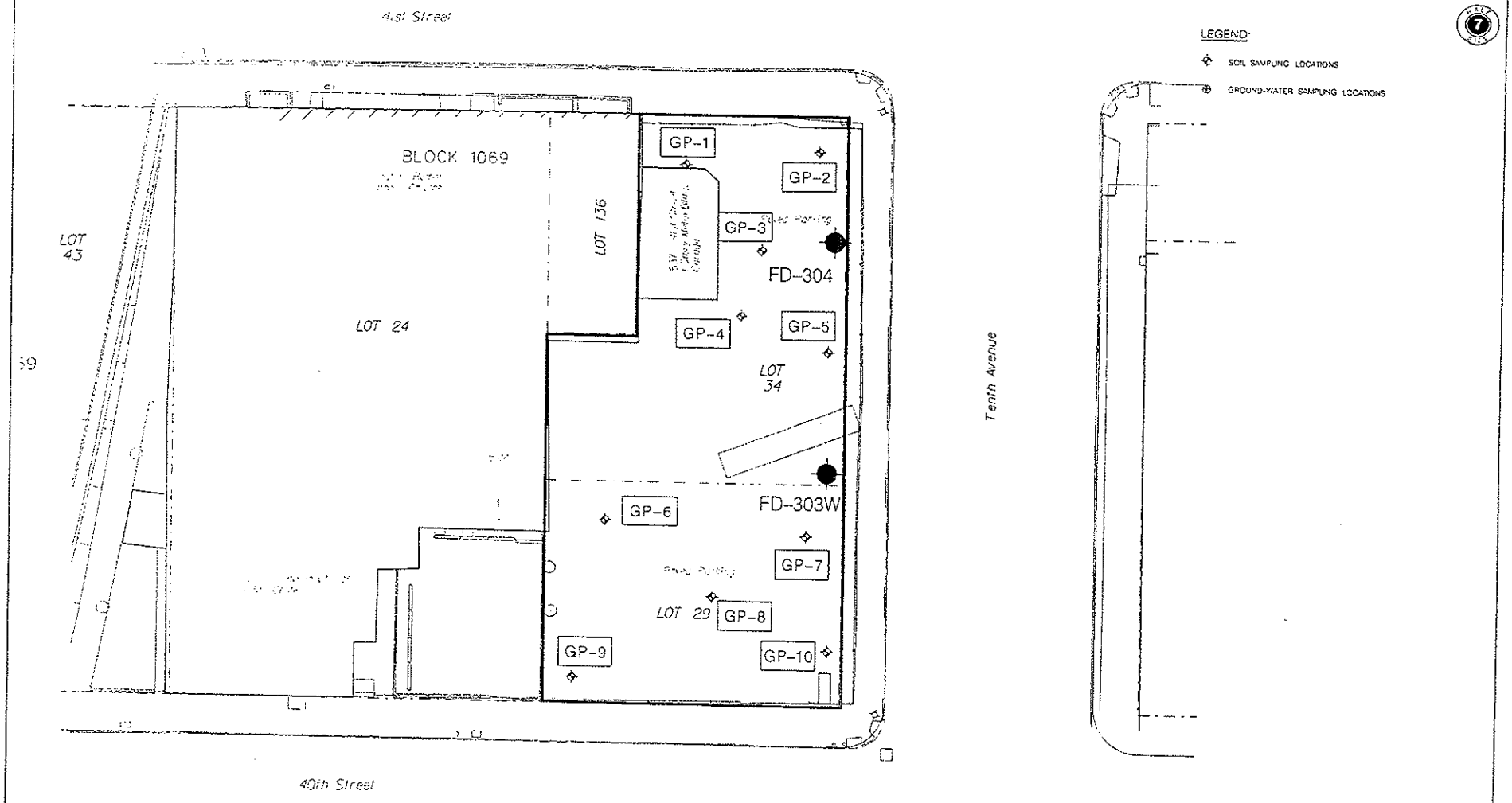


Source: Lot Lines - NY City Planning.

Figure 2
Site Plan

Block 1069, Lots 29 & 34
537 - 547 10th Avenue
New York, NY

Scale 1" = 100 ft | Date 11/03



New York City Transit

New York City Department of City Planning

PB Team
2 Broadway
New York, NY 10004

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DRAWN BY: D. TARECTECAN
CHECKED BY: J. GILLESPIE
APPROVED BY: P. DAS

CONTRACT C-26504

34TH ST. STATION AND SITES A, J & P CONSTRUCTION

SITE M

SOIL AND-GROUND WATER SAMPLING LOCATIONS

DATE

DRAWING No. NV-70121

REVISION

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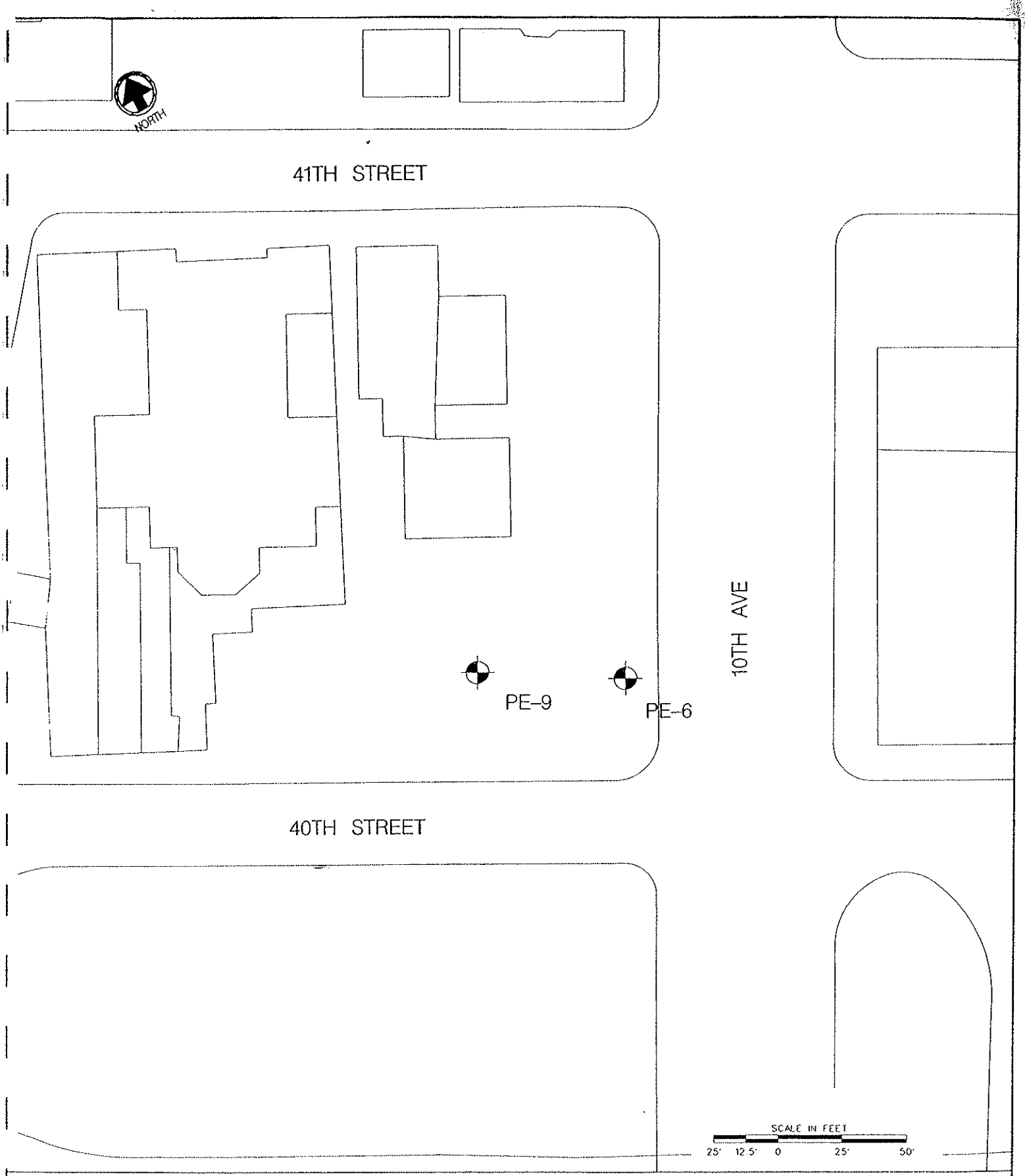

NUMBER "7" SUBWAY LINE EXTENSION

BORING PE-6 AND 9 (PHASE 2c)

DATE: JUNE, 2003

FIGURE 2

APPENDIX A

SOIL BORING LOGS

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SOIL BORING LOG

Date: 12/21/2005
Site ID: 7West/Site M
Borehole ID: **GP-1**
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 28F, overcast

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Asphalt	0.0
0-4'	N/A	Gravel, brick, rock fragments	0.0
4-8'	N/A	Gravel, sand, brick; low recovery (20%)	0.0
8-10'	N/A	Gravel, rocks, sand, cinder	0.0
10-12'	N/A	Wood, transitioning into dark organic layer with strong petroleum odor	11.0
12-16'	N/A	Wet gray silt, some sand, rocks. Heavy petroleum odor.	14.0
16-20'	N/A	Wet gray silt, some sand, rock on the bottom. Heavy petroleum odor. Refusal at 20' BG. MC sampler damaged.	13.0

SOIL BORING LOG

Date: 12/21/2005
Site ID: 7West/Site M
Borehole ID: GP-2
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 28F, overcast

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Asphalt	0.0
0-4'	N/A	Gravel, brick, rock fragments, some sand.	0.0
4-8'	N/A	Gravel, brick, rock fragments, some sand.	0.0
8-10'	N/A	Gravel, brick, rock fragments, some sand. Refusal at 10' BG. Moved over.	0.0
0-8"	N/A	Asphalt	0.0
0-4'	N/A	Gravel, brick, cinder.	0.0
4-8'	N/A	Gravel, brick, cinder, some silt.	0.0
8-12'	N/A	Gravel, brick, cinder, some silt.	0.0
12-14'	N/A	Cinder, coal.	0.0
14-16'	N/A	Wet silty sand with rocks.	1.0
16-20'	N/A	Wet silty sand with rocks, petroleum odor.	1.5
20-24'	N/A	Wet silty sand with rocks, petroleum odor. Refusal at 24' BG	1.5
20-24'	N/A	Attempted GW sampling. No recharge. Moved over.	N/A
28-32'	N/A	Collected GW sample. Very slow recharge.	N/A

SOIL BORING LOG

Date: 12/22/2005
Site ID: 7West/Site M
Borehole ID: GP-3
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 38F, clear

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Asphalt	0.0
0-4'	N/A	Crushed brick, some sand	0.0
4-8'	N/A	Crushed brick, rocks, some sand	0.0
8-12'	N/A	Crushed quartz rock, dark organic material at 12' BG. Slight petroleum odor.	0.5
12-16'	N/A	Saturated gray to black silty sand. Strong petroleum odor.	15.9
16-20'	N/A	Wet gravel with silt, visible oily sheen. Strong petroleum odor	9.0
20-24'	N/A	Brown silty sand, saturated. Petroleum odor	6.0
24-27.5'	N/A	Brown silty sand, saturated. Petroleum odor. Refusal at 27.5' BG	2.0

SOIL BORING LOG

Date: 12/22/2005
Site ID: 7West/Site M
Borehole ID: GP-4
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 34F, clear

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-4"	N/A	Asphalt	0.0
0-4'	N/A	Gravel with sand, weathered schist ad brick	0.0
4-8'	N/A	Gravel with sand, weathered schist ad brick	0.0
8-10'	N/A	Crushed quartz, some brick and sand	0.0
10-12'	N/A	Crushed schist with sand, saturated, petroleum odor	3.0
12-16'	N/A	Brown silty sand, saturated. Petroleum odor	1.5
16-20'	N/A	Brown silty sand, saturated. Petroleum odor	0.5
20-24'	N/A	Brown silty sand, very wet, flowing. Refusal at 24' BG.	0.1

SOIL BORING LOG

Date: 12/22/2005
Site ID: 7West/Site M
Borehole ID: GP-5
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 38F, clear

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Asphalt	0.0
0-4'	N/A	No recovery.	0.0
4-8'	N/A	Crushed brick, some sand	0.0
8-12'	N/A	Crushed brick, some sand, white cement-like powder material	0.0
12-16'	N/A	Brick and mortar debris. Refusal at 16' BG.	0.0

SOIL BORING LOG

Date: 12/22/2005
Site ID: 7West/Site M
Borehole ID: GP-6
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 38F, clear

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-6"	N/A	Asphalt	0.0
0-4'	N/A	Crushed brick, rock, misc. debris	0.0
4-8'	N/A	Crushed brick, rock, cinder, some sand	0.0
8-10'	N/A	Crushed brick with sand	0.0
10-12'	N/A	Wet gray silty sand	0.0
12-16'	N/A	Wet gray silty sand with some schist fragments; layers of coarse to medium sand	0.0
16-20'	N/A	Wet gray silty sand with some rocks and brick fragments. 2" dark organic layer at 19' BG, a 1" layer of weathered schist at 19.5' BG	0.0
20-24'	N/A	Saturated dark gray fine sand.	0.0
24-28'	N/A	Gray silty sand, saturated. 4" layer of coarse sand at 27' BG. Refusal at 28' BG.	0.0

SOIL BORING LOG

Date: 12/21/2005
Site ID: 7West/Site M
Borehole ID: GP-7
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 28F, overcast

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Asphalt	0.0
0-4'	N/A	Gravel, brick, voids. 3 refusals (moved over 3 times).	0.0
4-8'	N/A	Gravel, brick, rock fragments, voids.	0.0
8-10'	N/A	Gravel, voids. Refusal at 10' BG. Moved over.	0.0
0-8"	N/A	Asphalt	0.0
0-4'	N/A	Gravel, concrete fragments, voids.	0.0
4-8'	N/A	Gravel, concrete fragments, voids.	0.0
8-12'	N/A	Gravel, concrete fragments, brick and cinder.	0.0
12-16'	N/A	Rocks and sand transitioning by 14' BG into wet gray silty sand with some rocks, slight petroleum odor. Refusal at 16' BG	0.0
		Collected GW sample from a nearby monitoring well FD-303W.	

SOIL BORING LOG

Date: 12/22/2005
Site ID: 7West/Site M
Borehole ID: GP-8
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 34F, clear

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-8"	N/A	Asphalt	0.0
0-4'	N/A	Brick, rocks, asphalt	0.0
4-8'	N/A	Brick, quarts and schist rocks, some sand	0.0
8-12'	N/A	Brick, quarts and schist rocks, some sand	0.0
12-16'	N/A	Brick, quarts and schist rocks, some sand, wet	0.0
16-17'	N/A	Wet gray silty sand	0.0
17-18'	N/A	Dark organic layer with some sand	0.0
18-20'	N/A	Wet dark brown silty sand, schist fragments	0.0
20-22'	N/A	Saturated dark brown to black soft, flowing silty sand	0.0
22-24'	N/A	Black coarse sand, wet	0.0
24-24.5'	N/A	No recovery - refusal.	0.0

SOIL BORING LOG

Date: 12/22/2005
Site ID: 7West/Site M
Borehole ID: **GP-9**
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 34F, clear

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-6"	N/A	Asphalt	0.0
0-4'	N/A	Void - no recovery.	0.0
4-8'	N/A	Gravel, brick, rock fragments, voids. Partial recovery (30%)	0.0
8-12'	N/A	Rocks and concrete intermixed with brown silty sand, wet.	0.0
12-16'	N/A	Wet brown sand with some silt, some rock fragments.	0.0
16-20'	N/A	Saturated gray sandy silt, some rocks.	0.0
20-24'	N/A	Saturated gray sandy silt, some rocks, some organic layering.	0.0
24-28'	N/A	Saturated gray sandy silt, some rocks, some weathered Schist.	0.0
28-30'	N/A	Saturated weathered Schist with some gray sandy silt. Refusal at 30' BG.	0.0
26-30'	N/A	Collected GW sample. Very slow recharge.	0.0

SOIL BORING LOG

Date: 12/22/2005
Site ID: 7West/Site M
Borehole ID: GP-10
Rig: Geoprobe 6600
Tooling: MC
Lead Driller: Rick Lyons, ZEBRA Environmental
Geologist: A. Nadolishny
Weather: 38F, clear

Depth feet BGS	N values/ Blow Counts	Soil Description	PID reading
0-6"	N/A	Asphalt	0.0
0-4'	N/A	No recovery	0.0
4-8'	N/A	Gravel, ash, cinder, crushed schist	0.0
8-12'	N/A	Gravel, ash, cinder, crushed schist	0.0
12-16'	N/A	Gravel, crushed schist, some sand	0.0
16-20'	N/A	Wet light brown fine sand	0.0
20-24'	N/A	Wet light brown fine sand, transition at 23' BG into dark brown silty sand with some weathered schist	0.0
24-28'	N/A	Dark brown wet sand with some schist. Refusal at 27.9' BG	0.0

APPENDIX B

ANALYTICAL LABORATORY DATA

Table 1 - Summary of VOCs in Soil - Site M

American Analytical Laboratories, LLC.
WorkOrder: 0512262
Project: Site M / 7 West

Client Sample ID: Laboratory ID: Sampling Date: Analyte:	Units	TAGM Soil Cleanup Objectives (ug/kg)	GP-1 [0-15' Composite] 0512262-01 12/22/2005 (ug/kg)	Q	GP-2 [0-24' Composite] 0512262-02 12/22/2005 (ug/kg)	Q	GP-7 [0-16' Composite] 0512262-03 12/22/2005 (ug/kg)	Q	GP-9 [0-30' Composite] 0512262-04 12/22/2005 (ug/kg)	Q	GP-10 [0-28' Composite] 0512262-05 12/22/2005 (ug/kg)	Q	GP-6 [0-28' Composite] 0512262-06 12/22/2005 (ug/kg)	Q	GP-8 [0-24' Composite] 0512262-07 12/22/2005 (ug/kg)	Q	GP-4 [0-24' Composite] 0512262-08 12/22/2005 (ug/kg)	Q	GP-5 [0-16' Composite] 0512262-09 12/22/2005 (ug/kg)	Q	GP-3 [0-27' Composite] 0512262-10 12/22/2005 (ug/kg)	Q
VOCs - Compound Name																						
1,1,1,2-Tetrachloroethan	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,1,1-Trichloroethane	PPB	800	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,1,2,2-Tetrachloroethan	PPB	600	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,1,2-Trichloro-1,2,2-triflu	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,1,2-Trichloroethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,1-Dichloroethane	PPB	200	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,1-Dichloroethene	PPB	400	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,1-Dichloropropene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,2,3-Trichlorobenzene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,2,3-Trichloropropane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,2,4,5-Tetramethylbenze	PPB		210		130		13		5.9	U	6.1	U	6.0	U	6.1	U	290		2.6	J	410	
1,2,4-Trichlorobenzene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,2,4-Trimethylbenzene	PPB	10,000 (STARs)	15		38		5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	18	
1,2-Dibromo-3-chloropro	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,2-Dibromoethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,2-Dichlorobenzene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,2-Dichloroethane	PPB	100	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,2-Dichloropropane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,3,5-Trimethylbenzene	PPB	3,300 (STARs)	11		21		5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,3-Dichlorobenzene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	59	
1,3-dichloropropane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
1,4-Dichlorobenzene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
2,2-Dichloropropane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
2-Butanone	PPB	300	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
2-Chloroethyl vinyl ether	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
2-Chlorotoluene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
2-Hexanone	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
2-Propanol	PPB		62	U	61	U	59	U	59	U	61	U	60	U	61	U	63	U	60	U	60	U
4-Chlorotoluene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
4-Isopropyltoluene	PPB		7.1		6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	9.9		6.0	U	29	
4-Methyl-2-pentanone	PPB	1,000	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Acetone	PPB	200	400		140		60		140		6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Acrolein	PPB		31	U	30	U	30	U	29	U	30	U	30	U	31	U	31	U	30	U	30	U
Acrylonitrile	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Benzene	PPB	60 or MDL (STARs)	5.5	J	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	18	
Bromobenzene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Bromochloromethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Bromodichloromethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Bromoform	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U

NOTE:
ug/kg - Micrograms per kilogram
U - Analyte not detected at method detection level
STARs - threshold limits of NYSDEC STARS Memo # 1

Table 1 - Summary of VOCs in Soil - Site M

Client Sample ID: / Laboratory ID: / Sampling Date: / Analyte:	Units	TAGM Soil Cleanup Objectives (ug/kg)	GP-1 [0-15' Composite] 0512262-01 12/22/2005 (ug/kg)	Q	GP-2 [0-24' Composite] 0512262-02 12/22/2005 (ug/kg)	Q	GP-7 [0-16' Composite] 0512262-03 12/22/2005 (ug/kg)	Q	GP-9 [0-30' Composite] 0512262-04 12/22/2005 (ug/kg)	Q	GP-10 [0-28' Composite] 0512262-05 12/22/2005 (ug/kg)	Q	GP-6 [0-28' Composite] 0512262-06 12/22/2005 (ug/kg)	Q	GP-8 [0-24' Composite] 0512262-07 12/22/2005 (ug/kg)	Q	GP-4 [0-24' Composite] 0512262-08 12/22/2005 (ug/kg)	Q	GP-5 [0-16' Composite] 0512262-09 12/22/2005 (ug/kg)	Q	GP-3 [0-27' Composite] 0512262-10 12/22/2005 (ug/kg)	Q
Bromomethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Carbon disulfide	PPB	2,700	29		6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Carbon tetrachloride	PPB	600	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Chlorobenzene	PPB	1,700	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Chlorodifluoromethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Chloroethane	PPB	1,900	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Chloroform	PPB	300	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Chloromethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
cis-1,2-Dichloroethene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
cis-1,3-Dichloropropene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Dibromochloromethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Dibromomethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Dichlorodifluoromethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Diisopropyl ether	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Ethanol	PPB		31	U	30	U	30	U	29	U	30	U	30	U	31	U	31	U	30	U	30	U
Ethyl acetate	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Ethylbenzene	PPB	5,500 (STARs)	5.6	J	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	19	
Freon-114	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Hexachlorobutadiene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Isopropyl acetate	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Isopropylbenzene	PPB	2,300 (STARs)	17		6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	36	
m,p-Xylene	PPB	1,200 (STARs)	7.5	J	12	U	12	U	12	U	12	U	12	U	12	U	13	U	12	U	12	
Methyl tert-butyl ether	PPB	120 (STARs)	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	5.1	J
Methylene chloride	PPB		41	B	26	B	18	B	18	B	17	B	27	B	17	B	28	B	25	B	17	B
Naphthalene	PPB	1,300 (STARs)	6.2	U	6.1	U	19		5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	59	
n-Butyl acetate	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
n-Butylbenzene	PPB	1,000 (STARs)	26		6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	5.8	J	6.0	U	48	
n-Propyl acetate	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
n-Propylbenzene	PPB	3,700 (STARs)	47		6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	58	
o-Xylene	PPB	1,200 (STARs)	6.2	U	13		5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	2.6	J
p-Diethylbenzene	PPB		6.2	U	36		5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	150		6.0	U	220	
p-Ethyltoluene	PPB		7.8		6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	31	
sec-Butylbenzene	PPB	1,000 (STARs)	10		6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	9.9		6.0	U	22	
Styrene	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
t-Butyl alcohol	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
tert-Butylbenzene	PPB	1,000 (STARs)	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	10		6.0	U	29	
Tetrachloroethene	PPB	1,400	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Toluene	PPB	1,500 (STARs)	2.2	J	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	4.7	J	6.0	U	6.0	U
trans-1,2-Dichloroethene	PPB	300	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
trans-1,3-Dichloropropen	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Trichloroethene	PPB	700	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Trichlorofluoromethane	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Vinyl acetate	PPB		6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U
Vinyl chloride	PPB	200	6.2	U	6.1	U	5.9	U	5.9	U	6.1	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U

NOTE:
ug/kg - Micrograms per kilogram
U - Analyte not detected at method detection level
STARs - threshold limits of NYSDEC STARS Memo # 1

Table 2 - Summary of Total SVOCs in Soil
Site M

American Analytical Laboratories, LLC.
WorkOrder: 0512262
Project: Site M / 7 West

Client Sample ID: Laboratory ID: Sampling Date: Analyte:	Units:	TAGM Soil Cleanup Objectives (ug/kg)	GP-1 [0-15' Composite] 0512262-01 12/22/2005 (ug/kg)	Q	GP-2 [0-24' Composite] 0512262-02 12/22/2005 (ug/kg)	Q	GP-7 [0-16' Composite] 0512262-03 12/22/2005 (ug/kg)	Q	S-6 [GP-9 0-30' Composite] 0512262-04 12/22/2005 (ug/kg)	Q	GP-10 [0-28' Composite] 0512262-05 12/22/2005 (ug/kg)	Q	GP-6 [0-28' Composite] 0512262-06 12/22/2005 (ug/kg)	Q	GP-8 [0-24' Composite] 0512262-07 12/22/2005 (ug/kg)	Q	GP-4 [0-24' Composite] 0512262-08 12/22/2005 (ug/kg)	Q	GP-5 [0-16' Composite] 0512262-09 12/22/2005 (ug/kg)	Q	GP-3 [0-27' Composite] 0512262-10 12/22/2005 (ug/kg)	Q
SVOCs - Compound Name																						
1,2,4-Trichlorobenzene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
1,2-Dichlorobenzene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
1,3-Dichlorobenzene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
1,4-Dichlorobenzene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2,4,5-Trichlorophenol	PPB	100	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2,4,6-Trichlorophenol	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2,4-Dichlorophenol	PPB	400	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2,4-Dimethylphenol	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2,4-Dinitrophenol	PPB	200 or MDL	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2,4-Dinitrotoluene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2,6-Dinitrotoluene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2-Chloronaphthalene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2-Chlorophenol	PPB	800	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2-Methylnaphthalene	PPB	36,400	150	U	640		140	U	250		150	U	140	U	150	U	150	U	140	U	140	U
2-Methylphenol	PPB	100 or MDL	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2-Nitroaniline	PPB	100 or MDL	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
2-Nitrophenol	PPB	330 or MDL	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
3,3'-Dichlorobenzidine	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
3+4-Methylphenol	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
3-Nitroaniline	PPB	430	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
4,6-Dinitro-2-methylphen	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
4-Bromophenyl phenyl et	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
4-Chloro-3-methylphenol	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
4-Chloroaniline	PPB	220	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
4-Chlorophenyl phenyl et	PPB	240 or MDL	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
4-Nitroaniline	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
4-Nitrophenol	PPB	100	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Acenaphthene	PPB	50,000	150	U	590		140	U	140	U	150	U	440		150	U	150	U	140	U	140	U
Acenaphthylene	PPB	50,000	150	U	940		140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Aniline	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Anthracene	PPB	50,000	200		2000		140	U	140	U	150	U	960		150	U	150	U	140	U	140	U
Azobenzene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Benzidine	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Benzo(a)anthracene	PPB	224 or MDL	180		8600		270		140	U	150	U	1900		150	U	150	U	140	U	140	U
Benzo(a)pyrene	PPB	61 or MDL	160		8100		140	U	140	U	150	U	1600		780		150	U	140	U	140	U
Benzo(b)fluoranthene	PPB	220 or MDL	200		11000		270		140	U	150	U	2200		150	U	150	U	140	U	140	U
Benzo(g,h,i)perylene	PPB	50,000	150	U	5600		140	U	140	U	150	U	1000		150	U	150	U	140	U	140	U
Benzo(k)fluoranthene	PPB	220 or MDL	150	U	3200		110	J	140	U	150	U	560		150	U	150	U	140	U	140	U

NOTE:
ug/kg - Micrograms per kilogram
U - Analyte not detected
Bold - Detection concentration = or > TAGM RSCOs

Table 2 - Summary of Total SVOCs in Soil
Site M

Client Sample ID: / Laboratory ID: / Sampling Date: / Analyte:	Units:	TAGM Soil Cleanup Objectives (ug/kg)	GP-1 [0-15' Composite] 0512262-01 12/22/2005 (ug/kg)	Q	GP-2 [0-24' Composite] 0512262-02 12/22/2005 (ug/kg)	Q	GP-7 [0-16' Composite] 0512262-03 12/22/2005 (ug/kg)	Q	S-6 [GP-9 0-30' Composite] 0512262-04 12/22/2005 (ug/kg)	Q	GP-10 [0-28' Composite] 0512262-05 12/22/2005 (ug/kg)	Q	GP-6 [0-28' Composite] 0512262-06 12/22/2005 (ug/kg)	Q	GP-8 [0-24' Composite] 0512262-07 12/22/2005 (ug/kg)	Q	GP-4 [0-24' Composite] 0512262-08 12/22/2005 (ug/kg)	Q	GP-5 [0-16' Composite] 0512262-09 12/22/2005 (ug/kg)	Q	GP-3 [0-27' Composite] 0512262-10 12/22/2005 (ug/kg)	Q
Benzoic acid	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Benzyl alcohol	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Bis(2-chloroethoxy)metha	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Bis(2-chloroethyl)ether	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Bis(2-chloroisopropyl)eth	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Bis(2-ethylhexyl)phthalat	PPB	50,000	150	U	160		140	U	250		150	U	260		860		150	U	140	U	140	U
Butyl benzyl phthalate	PPB	50,000	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Carbazole	PPB		150	U	790		140	U	140	U	150	U	380		150	U	150	U	140	U	140	U
Chrysene	PPB	400	220		8900		260		140	U	150	U	1800		150	U	150	U	140	U	140	U
Dibenzo(a,h)anthracene	PPB	14 or MDL	150	U	1700		140	U	140	U	150	U	300		150	U	150	U	140	U	140	U
Dibenzofuran	PPB		150	U	760		140	U	140	U	150	U	330		150	U	150	U	140	U	140	U
Diethyl phthalate	PPB	7100	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Dimethyl phthalate	PPB	2000	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Di-n-butyl phthalate	PPB	8100	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Di-n-octyl phthalate	PPB	50,000	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Fluoranthene	PPB	50,000	150	U	20000		540		140	U	150	U	4400		150	U	150	U	140	U	140	U
Fluorene	PPB	50,000	260		1000		140	U	140	U	150	U	390		150	U	150	U	140	U	140	U
Hexachlorobenzene	PPB	410	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Hexachlorobutadiene	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Hexachlorocyclopentadie	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Hexachloroethane	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Indeno(1,2,3-c,d)pyrene	PPB	3,200	150	U	5100		140	U	140	U	150	U	970		150	U	150	U	140	U	140	U
Isophorone	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Naphthalene	PPB	4,400	150	U	880		140	U	140	U	150	U	360		150	U	150	U	140	U	140	U
Nitrobenzene	PPB	13,000	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
N-Nitrosodimethylamine	PPB	200 or MDL	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
N-Nitrosodi-n-propylamin	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
N-Nitrosodiphenylamine	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Pentachlorophenol	PPB	1000 or MDL	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Phenanthrene	PPB	50,000	500		15000		630		140	U	150	U	4200		150	U	150	U	140	U	140	U
Phenol	PPB	30 or MDL	150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U
Pyrene	PPB	50,000	510		20000		480		140	U	150	U	3800		150	U	150	U	140	U	140	U
Pyridine	PPB		150	U	150	U	140	U	140	U	150	U	140	U	150	U	150	U	140	U	140	U

NOTE:
ug/kg - Micrograms per kilogram
U - Analyte not detected
Bold - Detection concentration = or > TAGM RSCOs

Table 3 - PCBs and Total Metals in Soil Results
Site M

American Analytical Laboratories, LLC.
WorkOrder: 0512262
Project: Site M / 7 West

Client Sample ID: / Laboratory ID: / Sampling Date: / Analyte:	Units:	TAGM Soil Cleanup Objectives	TAGM EPA Health Based Criteria	GP-1 [0-15' Composite] 0512262-01 12/22/2005	Q	GP-2 [0-24' Composite] 0512262-02 12/22/2005	Q	GP-7 [0-16' Composite] 0512262-03 12/22/2005	Q	GP-9 [0-30' Composite] 0512262-04 12/22/2005	Q	GP-10 [0-28' Composite] 0512262-05 12/22/2005	Q	GP-6 [0-28' Composite] 0512262-06 12/22/2005	Q	GP-8 [0-24' Composite] 0512262-07 12/22/2005	Q	GP-4 [0-24' Composite] 0512262-08 12/22/2005	Q	GP-5 [0-16' Composite] 0512262-09 12/22/2005	Q	GP-3 [0-27' Composite] 0512262-10 12/22/2005	Q
PCBs		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
Aroclor 1016	PPB	1,000		99	U	97	U	95	U	94	U	97	U	95	U	98	U	100	U	96	U	96	U
Aroclor 1221	PPB	1,000		99	U	97	U	95	U	94	U	97	U	95	U	98	U	100	U	96	U	96	U
Aroclor 1232	PPB	1,000		99	U	97	U	95	U	94	U	97	U	95	U	98	U	100	U	96	U	96	U
Aroclor 1242	PPB	1,000		99	U	97	U	95	U	94	U	97	U	95	U	98	U	100	U	96	U	96	U
Aroclor 1248	PPB	1,000		99	U	97	U	95	U	94	U	97	U	95	U	98	U	100	U	96	U	96	U
Aroclor 1254	PPB	1,000		99	U	97	U	95	U	94	U	97	U	95	U	98	U	100	U	96	U	96	U
Aroclor 1260	PPB	1,000		99	U	97	U	95	U	94	U	97	U	95	U	98	U	100	U	96	U	96	U
Metals		mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Aluminum	PPM	SB	33,000	5560		5550		5630		7650		9070		6650		5540		6350		4630		7670	
Antimony	PPM			0.581	U	0.626		0.585	U	0.514	J	0.826		0.551	U	0.580	U	0.598	U	0.580	U	0.554	U
Arsenic	PPM	7.5	7.5 or SB	3.34		5.04		10.6		2.19		2.84		1.59		2.64		2.88		3.41		2.40	
Barium	PPM	300 or SB	15 - 600	133		811		64.4		74.3		68.9		76.9		62.2		346		30.6		68.6	
Beryllium	PPM	0.16 (HEAST) or SB	0 - 1.75	0.465	U	0.481	U	0.468	U	0.429	U	0.446	U	0.441	U	0.464	U	0.478	U	0.464	U	0.444	U
Cadmium	PPM	1 or SB	0.1 - 1	0.385		0.825		0.234	U	0.215	U	0.223	U	0.220	U	0.232	U	0.252		2.59		0.222	U
Calcium	PPM	SB	130 - 35,000	30800		9930		22100		1180		1510		1160		24100		10600		31800		2130	
Chromium	PPM	10 or SB	1.5 - 40	12.0		20.1		10.3		12.8		17.3		12.9		9.70		13.6		6.46		13.0	
Cobalt	PPM	30 or SB	2.5 - 60	10.5		10.6		10.4		10.3		12.7		12.2		9.06		10.6		4.93		10.1	
Copper	PPM	25 or SB	1.0 - 50	12.7		29.8		13.1		15.9		19.9		19.1		14.6		30.8		5.10		14.6	
Iron	PPM	2000 or SB	2,000 - 550,000	12300		13500		16100		12700		16300		10500		10500		9770		3870		12100	
Lead*	PPM	SB		147		785		43.8		16.7		41.0		19.1		16.8		285		14.2		51.7	
Magnesium	PPM	SB	100 - 5,000	2810		2830		2320		2160		2880		2900		2480		2970		4740		2400	
Manganese	PPM	SB	50 - 5,000	642		277		465		230		273		451		176		183		241		196	
Mercury	PPM	0.1	N/A	0.229		1.04		0.288		0.0265		0.121		0.0119	U	0.100		0.170		0.0878		0.195	
Nickel	PPM	13 or SB	0.5 - 25	11.9		15.7		10.2		10.6		15.5		22.4		11.7		12.2		8.74		11.8	
Potassium	PPM	SB	8,500 - 43,000	1680		1650		1260		1540		1850		1490		2450		2760		990		1440	
Selenium	PPM	2 or SB	0.1 - 3.9	0.581	U	0.602	U	0.585	U	0.536	U	0.558	U	0.551	U	0.580	U	0.598	U	0.580	U	0.554	U
Silver	PPM	SB	N/A	0.465	U	0.847		0.468	U	0.429	U	0.446	U	0.441	U	0.464	U	0.232	J	0.464	U	0.444	U
Sodium	PPM	SB	6,000 - 8,000	309		337		249		189		240		211		222		263		738		179	
Thallium	PPM	SB		0.348	U	0.361	U	0.351	U	0.322	U	0.335	U	0.331	U	0.348	U	0.359	U	0.348	U	0.333	U
Vanadium	PPM	150 or SB	1-300	16.3		20.1		15.9		19.1		25.0		16.4		15.7		23.1		12.5		17.0	
Zinc	PPM	20 or SB	9.0 - 50	153		395		36.5		34.1		43.2		25.4		40.9		205		836		41.7	

NOTE:
Ug/kg - micrograms per kilogram
U - Analyte not detected at method detection level
Lead* - Average levels of lead in metropolitan areas or suburban areas or areas near highways usually range from 200 to 500 ppm.
TAGM - Technical and Administrative Guidance Memorandum #4046 Recommended Soil Clean Up Objectives (RSCOs)
Bold - Detection contration equals of exceeds TAGM RSCOs

Table 4 - Summary of Pesticides and RCRA Charateristics in Soil - Site M

American Analytical Laboratories, LLC.
WorkOrder: 0512262
Project: Site M / 7 West

Client Sample ID: Laboratory ID: Sampling Date: Analyte:	Units:	TAGM Soil Cleanup Objectives (ug/kg)	GP-1 [0-15' Composite] 0512262-01 12/22/2005 (ug/kg)	Q	GP-2 [0-24' Composite] 0512262-02 12/22/2005 (ug/kg)	Q	GP-7 [0-16' Composite] 0512262-03 12/22/2005 (ug/kg)	Q	GP-9 [0-30' Composite] 0512262-04 12/22/2005 (ug/kg)	Q	GP-10 [0-28' Composite] 0512262-05 12/22/2005 (ug/kg)	Q	GP-6 [0-28' Composite] 0512262-06 12/22/2005 (ug/kg)	Q	GP-8 [0-24' Composite] 0512262-07 12/22/2005 (ug/kg)	Q	GP-4 [0-24' Composite] 0512262-08 12/22/2005 (ug/kg)	Q	GP-5 [0-16' Composite] 0512262-09 12/22/2005 (ug/kg)	Q	GP-3 [0-27' Composite] 0512262-10 12/22/2005 (ug/kg)	Q
Pesticides - Compound Name																						
4,4'-DDD	PPB	2,900	6.2	U	8.8		2.4	J	5.8	U	6.0	U	5.9	U	4.3	J	140		6.0	U	6.0	U
4,4'-DDE	PPB	2,100	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	470		6.0	U	6.0	U
4,4'-DDT	PPB	2,100	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	3000		6.0	U	6.0	U
Aldrin	PPB	41	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
alpha-BHC	PPB	110	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
beta-BHC	PPB	200	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Chlordane	PPB	540	19	U	18	U	120		130		18	U	18	U	280		**560**		**2500**		**5000**	
Chlorobenzilate	PPB		6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
DBCP	PPB		6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
delta-BHC	PPB	300	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Dieldrin	PPB	2,100	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Endosulfan I	PPB	900	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Endosulfan II	PPB	900	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Endosulfan sulfate	PPB	1,000	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Endrin	PPB	100	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Endrin aldehyde	PPB		6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Endrin ketone	PPB		6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
gamma-BHC	PPB	60	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Heptachlor	PPB	100	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Heptachlor epoxide	PPB	20	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	87		**110**	
Hexachlorobenzene	PPB		6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Hexachlorocyclopentad	PPB		6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Methoxychlor	PPB	10,000	6.2	U	6.0	U	5.9	U	5.8	U	6.0	U	5.9	U	6.1	U	6.3	U	6.0	U	6.0	U
Toxaphene	PPB		59	U	58	U	57	U	56	U	58	U	57	U	59	U	60	U	58	U	58	U
RCRA Characteristics		RCRA Standard for Characteristic Hazardous Waste																				
Corrosivity Characteristic																						
pH	pH Units	>2 and >12.5 pH	9.40		8.80		8.10		7.50		7.90		7.60		7.70		8.60		7.60		8.70	
Ignitability Characteristic																						
Ignitability	°F	140 F	140	U	140	U	140	U	140	U	140	U	140	U	140	U	140	U	140	U	140	U
Percent Moisture	wt%		19.1		17.6		15.5		14.6		17.6		16.0		18.0		20.5		16.8		16.8	
Reactivity Characteristic																						
Reactive Cyanide	PPM	250 mg/kg	0.124	U	0.121	U	0.118	U	0.117	U	0.121	U	0.119	U	0.122	U	0.126	U	0.120	U	0.120	U
Reactive Sulfide	PPM	500 mg/kg	2.47	U	2.43	U	2.37	U	2.34	U	2.43	U	2.38	U	2.44	U	2.51	U	2.41	U	2.40	U

NOTE:
ug/kg - micrograms per kilogram
U - Analyte not detected at method detection level
Lead* - Average levels of lead in metropolitan areas or suburban areas or areas near highways usually range from 200 to 500 ppm.
TAGM - Technical and Administrative Guidance Memorandum #4046 Recommended Soil Clean Up Objectives (RSCOs)
Bold - Detection contration equals of exceeds TAGM RSCOs

Table 5 - Summary of VOCs in Groundwater Site M

American Analytical Laboratories, LLC.

WorkOrder: 0512254

Project: 7 West / Site M

Client Sample ID: Laboratory ID: Sampling Date: Analyte:	Units:	NYSDEC TOGS Criteria (ug/L)	GW-1 [GP-2] 0512254-01 12/22/2005 (ug/L)	Q	GW-2 [FD303W] 0512254-02 12/22/2005 (ug/L)	Q	GW-3 [GP-9] 0512254-03 12/22/2005 (ug/L)	Q
VOCs - Compound Name								
1,1,1-Trichloroethane	PPB	5	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	PPB	5	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	PPB	1	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	PPB	5	1.0	U	1.0	U	1.0	U
1,1-Dichloroethene	PPB	5	1.0	U	1.0	U	1.0	U
1,1-Dichloropropane	PPB	1	1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	PPB	1	1.0	U	1.0	U	1.0	U
2-Butanone	PPB	50	1.0	U	1.0	U	1.0	U
2-Hexanone	PPB	50	1.0	U	1.0	U	1.0	U
Acetone	PPB	50	1.0	U	1.0	U	1.0	U
Benzene	PPB	1	1.0		**2.7**		1.0	U
Bromodichloromethane	PPB	50	1.0	U	1.0	U	1.0	U
Bromoform	PPB	50	1.0	U	1.0	U	1.0	U
Bromomethane	PPB	5	1.0	U	1.0	U	1.0	U
Carbon disulfide	PPB	60	1.0	U	1.0	U	1.0	U
Carbon tetrachloride	PPB	5	1.0	U	1.0	U	1.0	U
Chlorobenzene	PPB	5	1.0	U	1.0	U	1.0	U
Chloroethane	PPB	5	1.0	U	1.0	U	1.0	U
Chloroform	PPB	7	1.0	U	1.0	U	1.0	U
Chloromethane	PPB	5	1.0	U	1.0	U	1.0	U
cis-1,2-Dichloroethene	PPB	5	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	PPB	0.4	1.0	U	1.0	U	1.0	U
Dibromochloromethane	PPB	50	1.0	U	1.0	U	1.0	U
Ethylbenzene	PPB	5	**5.9**		1.0	U	1.0	U
m,p-Xylene	PPB	5	2.4		2.0	U	2.0	U
Methylene chloride	PPB	5	3.8	B	3.2	B	3.6	B
Naphthalene	PPB	10	4.8		1.0	U	1.0	U
o-Xylene	PPB	5	1.0	U	1.0	U	1.0	U
Styrene	PPB	5	1.0	U	1.0	U	1.0	U
Tetrachloroethene	PPB	5	1.0	U	1.0	U	1.0	U
Toluene	PPB	5	2.8		1.0	U	1.0	U
trans-1,2-Dichloroethene	PPB	5	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	PPB	0.4	1.0	U	1.0	U	1.0	U
Trichloroethene	PPB	5	1.0	U	1.0	U	1.0	U
Vinyl chloride	PPB	2	1.0	U	1.0	U	1.0	U

NOTE:

ug/L - Micrograms per liter

U - Not detected at method detection level

Bold - Concentrations meet or exceed TOGS

Table 6 - Summary of SVOCs in Groundwater Site M

American Analytical Laboratories, LLC.
WorkOrder: 0512254
Project: 7 West / Site M

Client Sample ID: Laboratory ID: Sampling Date: Analyte:	Units:	NYSDEC TOGS Criteria (ug/L)	GW-1 [GP-2] 0512254-01 12/22/2005 (ug/L)	Q	GW-2 [FD303W] 0512254-02 12/22/2005 (ug/L)	Q	GW-3 [GP-9] 0512254-03 12/22/2005 (ug/L)	Q
SVOCs - Compound Name								
1,2,4-Trichlorobenzene	PPB	5	10	U	10	U	10	U
1,2-Dichlorobenzene	PPB	3	10	U	10	U	10	U
1,3-Dichlorobenzene	PPB	3	10	U	10	U	10	U
1,4-Dichlorobenzene	PPB	3	10	U	10	U	10	U
2,4-Dichlorophenol	PPB	5	10	U	10	U	10	U
2,4-Dimethylphenol	PPB	50	10	U	10	U	10	U
2,4-Dinitrophenol	PPB	10	40	U	40	U	40	U
2,4-Dinitrotoluene	PPB	5	10	U	10	U	10	U
2,6-Dinitrotoluene	PPB	0.07	10	U	10	U	10	U
2-Chloronaphthalene	PPB	10	10	U	10	U	10	U
2-Chlorophenol	PPB		10	U	10	U	10	U
2-Methylnaphthalene	PPB	4.7	10	U	10	U	10	U
2-Methylphenol	PPB		10	U	10	U	10	U
2-Nitroaniline	PPB	5	10	U	10	U	10	U
2-Nitrophenol	PPB		10	U	10	U	10	U
3,3'-Dichlorobenzidine	PPB	5	10	U	10	U	10	U
3+4-Methylphenol	PPB		10	U	10	U	10	U
3-Nitroaniline	PPB	5	10	U	10	U	10	U
4,6-Dinitro-2-methylphenol	PPB		10	U	10	U	10	U
4-Bromophenyl phenyl ether	PPB		10	U	10	U	10	U
4-Chloro-3-methylphenol	PPB		10	U	10	U	10	U
4-Chloroaniline	PPB	5	10	U	10	U	10	U
4-Chlorophenyl phenyl ether	PPB		10	U	10	U	10	U
4-Nitroaniline	PPB	5	10	U	10	U	10	U
4-Nitrophenol	PPB		10	U	10	U	10	U
Acenaphthene	PPB	20	10	U	10	U	10	U
Acenaphthylene	PPB		10	U	10	U	10	U
Aniline	PPB		40	U	40	U	40	U
Anthracene	PPB	50	10	U	10	U	10	U
Azobenzene	PPB		10	U	10	U	10	U
Benzidine	PPB		40	U	40	U	40	U
Benzo(a)anthracene	PPB	0.002	10	U	10	U	10	U
Benzo(a)pyrene	PPB	0.002	10	U	10	U	10	U
Benzo(b)fluoranthene	PPB	0.002	10	U	10	U	10	U
Benzo(g,h,i)perylene	PPB		10	U	10	U	10	U
Benzo(k)fluoranthene	PPB	0.002	10	U	10	U	10	U
Benzoic acid	PPB		40	U	40	U	40	U
Benzyl alcohol	PPB		40	U	40	U	40	U
Bis(2-chloroethoxy)methane	PPB	5	10	U	10	U	10	U
Bis(2-chloroethyl)ether	PPB	1	10	U	10	U	10	U
Bis(2-chloroisopropyl)ether	PPB		10	U	10	U	10	U

NOTE:
ug/L - Micrograms per liter
U - Not detected at method detection level
Bold Underline - Concentrations meet or exceed TOGS

Table 6 - Summary of SVOCs in Groundwater Site M

Client Sample ID: Laboratory ID: Sampling Date: Analyte:	Units:	NYSDEC TOGS Criteria (ug/L)	GW-1 [GP-2] 0512254-01 12/22/2005 (ug/L)	Q	GW-2 [FD303W] 0512254-02 12/22/2005 (ug/L)	Q	GW-3 [GP-9] 0512254-03 12/22/2005 (ug/L)	Q
Bis(2-ethylhexyl)phthalate	PPB	5	5.4	J	10	U	10	U
Butyl benzyl phthalate	PPB	50	10	U	10	U	10	U
Carbazole	PPB		10	U	10	U	10	U
Chrysene	PPB	0.002	10	U	10	U	10	U
Dibenzo(a,h)anthracene	PPB		10	U	10	U	10	U
Dibenzofuran	PPB		10	U	10	U	10	U
Diethyl phthalate	PPB	50	10	U	10	U	10	U
Dimethyl phthalate	PPB	50	10	U	10	U	10	U
Di-n-butyl phthalate	PPB	50	10	U	10	U	10	U
Di-n-octyl phthalate	PPB	50	10	U	10	U	10	U
Fluoranthene	PPB	50	10	U	10	U	10	U
Fluorene	PPB	50	10	U	10	U	10	U
Hexachlorobenzene	PPB	0.04	10	U	10	U	10	U
Hexachlorobutadiene	PPB	0.5	10	U	10	U	10	U
Hexachlorocyclopentadiene	PPB	5	10	U	10	U	10	U
Hexachloroethane	PPB	5	10	U	10	U	10	U
Indeno(1,2,3-c,d)pyrene	PPB	0.002	10	U	10	U	10	U
Isophorone	PPB	50	10	U	10	U	10	U
Naphthalene	PPB	10	10	U	10	U	10	U
Nitrobenzene	PPB	0.4	10	U	10	U	10	U
N-Nitrosodimethylamine	PPB		10	U	10	U	10	U
N-Nitrosodi-n-propylamine	PPB		10	U	10	U	10	U
N-Nitrosodiphenylamine	PPB	50	10	U	10	U	10	U
Pentachlorophenol	PPB	1	10	U	10	U	10	U
Phenanthrene	PPB	50	10	U	10	U	10	U
Phenol	PPB	1	10	U	10	U	10	U
Pyrene	PPB	50	10	U	10	U	10	U

NOTE:
ug/L - Micrograms per liter
U - Not detected at method detection level
Bold Underline - Concentrations meet or exceed TOGS

Table 7 - Summary of PCBs and Metals in Groundwater

American Analytical Laboratories, LLC.

WorkOrder: 0512254

Project: 7 West / Site M

Client Sample ID: Laboratory ID: Sampling Date: Analyte:	Units:	NYSDEC TOGS Criteria (ug/L)	GW-1 [GP-2] 0512254-01 12/22/2005 (ug/L)	Q	GW-2 [FD303W] 0512254-02 12/22/2005 (ug/L)	Q	GW-3 [GP-9] 0512254-03 12/22/2005 (ug/L)	Q
PCBs - Compound Name								
Aroclor 1016	PPB	0.09	1.0	U	1.0	U	1.0	U
Aroclor 1221	PPB	0.09	1.0	U	1.0	U	1.0	U
Aroclor 1232	PPB	0.09	1.0	U	1.0	U	1.0	U
Aroclor 1242	PPB	0.09	1.0	U	1.0	U	1.0	U
Aroclor 1248	PPB	0.09	1.0	U	1.0	U	1.0	U
Aroclor 1254	PPB	0.09	1.0	U	1.0	U	1.0	U
Aroclor 1260	PPB	0.09	1.0	U	1.0	U	1.0	U
Metals - Compound Name								
Mercury	PPM	0.7	0.000200	U	N/A		0.000200	U
Aluminum	PPM	100	104		N/A		268	
Antimony	PPM	3	0.0250	U	N/A		0.0250	U
Arsenic	PPM	25	0.0495		N/A		0.113	
Barium	PPM	1,000	3.94		N/A		5.81	
Beryllium	PPM	3	0.0200	U	N/A		0.0200	U
Cadmium	PPM	5	0.0100	U	N/A		0.0100	U
Calcium	PPM		120		N/A		235	
Chromium	PPM	50	0.645		N/A		1.27	
Cobalt	PPM	5	0.208		N/A		0.375	
Copper	PPM	200	0.526		N/A		1.32	
Iron	PPM	300	169		N/A		559	
Lead	PPM	25	0.612		N/A		1.35	
Magnesium	PPM	35,000	119		N/A		208	
Manganese	PPM	300	8.51		N/A		16.4	
Nickel	PPM	100	0.387		N/A		0.717	
Potassium	PPM		91.0		N/A		112	
Selenium	PPM	10	0.0250	U	N/A		0.0250	U
Silver	PPM	50	0.0200	U	N/A		0.0200	U
Sodium	PPM	20,000	176		N/A		183	
Thallium	PPM	0.5	0.0150	U	N/A		0.0150	U
Vanadium	PPM	14	0.319		N/A		0.707	
Zinc	PPM	2,000	3.59		N/A		11.4	

NOTE:

ug/L - Micrograms per liter

U - Not detected at method detection level

Bold Underline - Concentrations meet or exceed TOGS

Table 8 - Summary of NYCDEP Limitations for Effluent to Sanitary or Combined Sewers
Site M

American Analytical Laboratories, LLC.
WorkOrder: 0512254
Project: 7 West / Site M

Client Sample ID: Laboratory ID: Sampling Date: Analyte:	Units:	NYC DEP Sewer Discharge Limits (mg/L)	GW-1 [GP-2] 0512254-01 12/22/2005 (mg/L)	Q	GW-2 [FD303W] 0512254-02 12/22/2005 (mg/L)	Q	GW-3 [GP-9] 0512254-03 12/22/2005 (mg/L)	Q
Groundwater Characteristics								
pH	pH Units	5-11	7.12				7.10	
SGT-HEM (Non-Polar Material)	PPM	50		U		U	'1.40	U
Ignitability	°F	>140	>140	U			>140	U
Compounds								
Mercury	PPM	50	0.000200	U			0.000200	U
Aroclor 1016 (PCBs)	PPB	1	1.0	U	1.0	U	1.0	U
Aroclor 1221 (PCBs)	PPB	1	1.0	U	1.0	U	1.0	U
Aroclor 1232 (PCBs)	PPB	1	1.0	U	1.0	U	1.0	U
Aroclor 1242 (PCBs)	PPB	1	1.0	U	1.0	U	1.0	U
Aroclor 1248 (PCBs)	PPB	1	1.0	U	1.0	U	1.0	U
Aroclor 1254 (PCBs)	PPB	1	1.0	U	1.0	U	1.0	U
Aroclor 1260 (PCBs)	PPB	1	1.0	U	1.0	U	1.0	U
Naphthalene	PPB	47	10	U	10	U	10	U
Cadmium	PPM	2 / 0.69	0.0100	U			0.0100	U
Chromium	PPM	5	0.645				1.27	
Copper	PPM	5	0.526				1.32	
Lead	PPM	2	0.612				1.35	
Nickel	PPM	3	0.387				0.717	
Zinc	PPM	5	3.59				**11.4**	
Benzene	PPB	134	1.0		2.7		1.0	U
Carbon tetrachloride	PPB		1.0	U	1.0	U	1.0	U
Chloroform	PPB		1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	PPB		1.0	U	1.0	U	1.0	U
Ethylbenzene	PPB	380	5.9		1.0	U	1.0	U
m,p-Xylene	PPB	74	2.4		2.0	U	2.0	U
Methyl tert-butyl ether (MTBE)	PPB	50	4.7		1.0	U	1.0	U
Phenol	PPB		10	U	10	U	10	U
o-Xylene	PPB	74	1.0	U	1.0	U	1.0	U
Tetrachloroethene (Perc)	PPB	20	1.0	U	1.0	U	1.0	U
Toluene	PPB	74	2.8		1.0	U	1.0	U
1,2,4-Trichlorobenzene	PPB		1.0	U	1.0	U	1.0	U
1,1,1-Trichloroethane	PPB		1.0	U	1.0	U	1.0	U
Suspended Solids (Residue, Non-	PPM	350	12700				**7610**	
CBOD	PPM		33.0	U			42	

NOTE:
ug/L - Micrograms per liter
U - Not detected at method detection level
Bold - Concentrations meet or exceed NYCDEP Discharge Standards

1995 UST REMOVAL PHOTOS & INVOICES

48-14-1 (3/89)—7f

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS SUBSTANCES REGULATION

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please print or type. Do not Staple.

Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NYR000009746 1 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address: Solil Management, 640 5th Avenue, New York, New York 10019

4. Generator's Phone ( ) 212 265 2280

A. State Manifest Document No. NY B 412638 3

B. Generator's ID Fast Towing 547 10th Ave. Manhattan, NY

5. Transporter 1 (Company Name) Unico Environmental

6. US EPA ID Number NYD986910222

C. State Transporter's ID

D. Transporter's Phone (516 864 1772

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address: Chemical Pollution Control, 120 South 4th Street, Bayshore, NY

10. US EPA ID Number NYD042785429

G. State Facility's ID

H. Facility's Phone (516 586 0333

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Flammable Liquid, N.O.S., 3, UN1993 PGIII (D001)	003	DM	00165	G	EPA D001 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above

a. Tank Bottom

b.

c.

d.

K. Handling Codes for Wastes Listed Above

a. T

b.

c.

d.

15. Special Handling Instructions and Additional Information

a) Also D018 ERG 27

Emergency Response Number 516 864 1775

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.

If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name Ted Myers — Signature — Mo. 06 Day 11 Year 95

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name Kenneth Everett — Signature — Mo. 06 Day 11 Year 95

18. Transporter 2 (Acknowledgement of Receipt of Materials)

Printed/Typed Name — Signature — Mo. Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Dan Cohen — Signature — Mo. 06 Day 11 Year 95

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 5—Generator-mailed by TSD facility

UNICO SERVICE CORP.

June 12, 1995

The Estate of Sol Goldman
640 Fifth Avenue
New York, New York 10019

Attention: Mr. John Amisano
Director of Construction & Development

Reference: Fast Towing & Auto Repair
547 10th Avenue
Manhattan, New York

Gentlemen:

Thank you for allowing us to submit our bid to abandon approximately seven (7) existing underground storage tanks totaling 5700 gallons.

- We propose to excavate over all tanks, remove all product, sludge and dispose of same.
- Cut and clean all tanks and fill tanks with concrete slurry.
- Furnish and install approximately seven (7) test wells per D.E.C. requirements.
- Provide the environmental technician to take the necessary soil samples for analytical and final D.E.C. report.
- Restore the disturbed areas with asphalt.
- The removal of contaminated soil or hazardous product is not included in our bid.

The cost to complete the above mentioned work is Thirty Four Thousand Dollars ($34,000.00), plus applicable tax.

You will notice that in this particular case, the abandoned tanks cost more than the actual removal of all tanks.

If the owner ever decided to sell the property, he would still be obligated to remove the existing tanks.

UNICO SERVICE CORP.

Should you require any further information, please let us know.

Very truly yours,

UNICO SERVICE CORPORATION

Antonio R. Gomez
President

ARG:mk
6950168.AM

UNICO SERVICE CORP.

EXTRA TO BASE P.O.# 20044 copy

July 24, 1995

The Estate of Sol Goldman
640 Fifth Avenue
New York, New York 10019

Attention: Mr. John Amisano
Director of Construction & Development

Reference: Fast Towing & Auto Repair
547 10th Avenue
Manhattan (Between 40-41st Streets)

Gentlemen:

We are submitting for your review and approval, the following additional work performed at the above location.

- Remove & dispose of an existing concrete island & fixtures.	$ 300.00 ✓
- Removed & disposed of 434 gallons contaminated water.	
@ $1.00/gallon	$ 434.00 ✓
1 Vac Truck / Operator 4.5 Hours @ $75.00	$ 337.50 ✓
- Removed an additional 2000 gallon vaulted underground storage tank. Concrete breaker / Operator.	
Concrete Breaker @65.00/hr x 8 hrs = $520. x 2 days	$ 1040.00 ✓
Concrete Breaker operator @11.5 hrs x $75.00 = $862.50 x 2 days	$ 1725.00 ✓
- Dispose two (2) dump truck loads of concrete debris 48 tons @ $325.00 / load	$ 650.00 ✓
- Provided 131 tons of fill @ $18.00/ton	$ 2358.00 ✓
- Stock piled 83 tons of contaminated soil Backhoe ($50.00.hr)/operator ($75.00/Hr) 2hrs @ $125.00	$ 250.00 ✓
- Analytical report - $1906.00 + 15%	$ 2192.00 ✓
- Environmental Technician 4.5 hrs @ $57.00/hr	$ 256.50 ✓

UNICO SERVICE CORP.

- Technician van 4.5 hrs @ $10.00 $ 45.00 ✓
- Technician Tolls $ 6.00 ✓
- Disposed of one (1) 2000 gallon steel tank. 1 dump truck/trailer/operator 7 hrs @ $90.00 $ 630.00 ✓
- Disposed of three (3) drums of tank bottom sludge @ $350.00 a drum $ 1050.00 ✓
- Disposed of 83 tons of contaminated soil @ $87.00/ton $ 7221.00 ✓

Sub Total $18495.00 ✓
Tax $ 1525.84
Total $20020.84

SEE BELOW ✓

Alternate additional work

NO - ~~Repair additional asphalt area for concrete islands and 2000 gallon removal.~~ ~~$ 3200.00~~

YES - If you decide to apply a 2" cap of the entire asphalt area, including the above asphalt repairs the cost will be $ 7900.00

Your prompt attention in this matter will be appreciated.

Cordially yours,

UNICO SERVICE CORPORATION

Antonio R. Gomez
Antonio R.Gomez
President

ARG:cc
7950214.SG

$ 18,495.00
7,900.00
$ 26,395.00
Less 5% (COURTESY) (1,319.75)
$ 25,075.25

$ 25,075.25
TX 2068.70
$ 27,143.95
AMT DUE

Estate of Sol Goldman
640 Fifth Avenue
New York, NY 10019

(212) 265-2280

3rd Floor

TELEFAX TRANSMITTAL

Date: FRI 2/23/96

Time: _____

To: PHOENIX ENVTL (OLD UNICO)

Telefax # 516-864-8494

Attention: ANTONIO GOMEZ

Re: 547 - 10TH AVE GASOLINE TANKS REMOVAL (BASE AGREEMENT)

V Sender: JOHN AMISANO

Telefax (212) 582-0186

Transmittal consists of this cover and 1 pages.

Additional Comments: PLEASE PREPARE LETTER INDICATING "ALL WORK" OF BASE AGREEMENT DONE (REMOVAL OF 7 TANKS) - FAX TO NYC FIRE DEPT ATT. HERBERT JAGGON FAX#212-239-7263

NOTE: IF ALL PAGES INDICATED ABOVE HAVE NOT BEEN RECEIVED, PLEASE CONTACT SENDER.

(HIS OFFICE # 212-570-4341)

REF # D-50690 (VIOLATION) DATED 4/7/95

(FAX COPY ALSO TO ME - TH)

UNICO SERVICE CORP.

ACTUAL WORK DONE IN LAST WEEK OF JUNE 1995

June 12, 1995

The Estate of Sol Goldman
640 Fifth Avenue
New York, New York 10019

Attention: Mr. John Amisano
Director of Construction & Development

Reference: Fast Towing & Auto Repair
547 10th Avenue
Manhattan (Between 40-41st Streets)

Gentlemen:

We are submitting our proposal to complete the following scope of work.

1. Excavate, cut and clean existing tanks. Remove and dispose of approximately seven (7) tanks totaling 5700 gallons.

2. Obtain necessary D.E.C. soil sample/report.

3. Removal of product and sludge in all tanks (not hazardous).

4. Backfill excavation with pea gravel.

5. Restore disturbed areas with asphalt.

Our cost to complete the above mentioned work is Eighteen Thousand Eight Hundred Seventy Five Dollars ($18,875.00), plus applicable tax.

This proposal does not include the removal of any contaminated soil or hazardous product.

We hope you find our proposal of interest and will allow us to work with you on this project.

Cordially yours,

UNICO SERVICE CORPORATION

Antonio R. Gomez
President

ARG:mk
6950168.AM

OK

ESTATE OF SOL GOLDMAN Fax:212-582-0186

** Transmit Conf. Report **

Feb 23 '96 16:42

ESTATE OF SOL GOLDMAN ---> 915168648494	
No.	0009
Mode	NORMAL
Time	1'17"
Pages	2 Page(s)
Result	O K

J. Amisano

PURCHASE ORDER

No. 20044

DATE 6/13/95 DATE REQUIRED _____

BILL TO 547-10TH AVE

TO UNICO SERVICE CORP.
57 MALL DRIVE
COMMACK, NY 11725

SHIP TO _____

QUANTITY	✓	STOCK NUMBER/DESCRIPTION	PRICE	PER	
		REMOVE OLD EXISTING			
		GASOLINE TANKS FROM			
		SITE AS PER YOUR			
		PROPOSAL DATED 6-12-95			
		COST			18975 —
		MCT TAX			1559 18
		(AS OK'D BY AG)			
		TAX			1557 18
		TOTAL			20,432 18

By _____

SUPPLIER

UNICO SERVICE CORP.

57 MALL DRIVE • COMMACK, NY 11725 • 516-864-1772 FAX 516-864-1764

TANK/PUMP INSTALLATION • SERVICE STATION MAINTENANCE
CERTIFIED TANK TESTING • GENERAL CONTRACTOR

THE ESTATE OF SOL GOLDMAN
640 FIFTH AVENUE

NEW YORK NY 10019

LOCATION

FAST TOWING & AUTO REPAIR
542 10TH AVENUE
(BETWEEN 40-41ST STREETS)
MANHATTAN NY

SOLIC 232 ESG 6.81

NO.	CUST NO	CUSTOMER ORDER NO	DATE COMPLETED	TERMS	DATE	INVOICE NO
73	685	20044	7/21/95	NET 30 DAYS	7/21/95	004281

ITEM NUMBER	DESCRIPTION	UNIT PRICE	AMOUNT
	WORK COMPLETED TO DATE - PER AGREEMENT.		
.00 *	PARTIAL BILLING	15000.00	15000.00

PARTIAL WORK DONE
OK TO PAY
OK 7/26/95

ORIGINAL BASE WORK TO REMOVE TANKS

TOTAL BASE AMT = $ 20,432.18 (INCL. TAX)
LESS THIS REQUEST = (16,237.50)
BALANCE TO = $ 4,194.68
BASE CONTRACT
COMPLETION

OK
PAY $ 16,237.50

SALE AMOUNT	15000.00
SALES TAX	1237.50
RETENTION	.00
TOTAL	16237.50

A. L. EASTMOND & SONS, INC.

FUEL OIL TANK CLEANING
1175 Leggett Avenue • Bronx, N.Y. 10474
(718) 378-3000

T 20840

TANK SIZE 1000

e

Boro:

rvice mentioned below.

DIG UP FUEL STORAGE TANK 2 ☐ CUT MANWAY

PUMP OUT AND SQUEEGEE CLEAN..... GAL.
FUEL STORAGE TANK BY A VACUUM METHOD.

NEW GASKET — RUBBER ☐ FELT ☐

NEW NUTS AND BOLTS

BACK FILL DIRT

PUMP OUT ..... GAL. TANK BY A STICK LINE METHOD

STEAM CLEAN SUCTION AND RETURN LINES

SPILL CLEAN-UP

OTHER WORK DONE

Pump out tank

R.D. ☐ NO R.D. AMT. R.D. _____ SLUDGE _____

PRODUCT IS DELIVERED TO ANOTHER BUILDING ADDRESS

IESS

MOUNT DELIVERED SUPT SIGNATURE

DRESS

JNT DELIVERED SUPT SIGNATURE

to

Attn.

Tel.

y

JOB TICKET

INCLUDE TRAVEL TIME

DRIVER HELPER TRUCK NO.

TIME STARTED TIME FINISHED

HELPERS

TIME STARTED TIME FINISHED

TOTAL TOLLS:

	GALLONS		GALLONS
INCHES IN TANK BEFORE CLEANING	[illegible]	INCHES IN TANK AFTER CLEANING	0

FUEL OIL, COMBUSTIBLE LIQUID NA 1993

WATER ☐ GRADE OF OIL: #2 ☑ #4 ☐ #6 ☐

OTHER

AMOUNT OF SLUDGE REMOVED 200 **GALS.**

GALS. OF GOOD OIL PUT BACK IN TANK _____ **GALS.**

DIAMETER OF TANK IN INCHES

DOES TANK HAVE LINING:	YES ☐	NO ☑
IS THE TANK GAUGE WORKING:	YES ☐	NO ☑
IS THE TANK GAUGE ACCURATE:	YES ☐	NO ☐

The signature below should be signed only by the owner, super, engineer, of the building, or by the employee of the above mentioned Oil Company.

This signature will indicate that the tank, or the work that has been done, has been inspected, (and manhole, if worked on) and properly secured, and been left in a complete safe condition.

This ticket should only be signed if the work area is completely satisfactory and also; that the product is accurately accounted for.

ON HOURLY RATES GIVEN, TRAVELING TIME WILL BE INCLUDED.

RECEIVED AND READ BY X

PHONE NO. OF PERSON ABOVE

THE PERSON WHO SIGNS ABOVE HAS THE OPTION OF INSPECTING VACUUM TRUCK AND PRODUCT IN VACUUM TRUCK BEFORE IT LEAVES PREMISES.

TERMS: Net 10 days, maximum rate of interest allowable by law will be charged after this date. In the event this order is not paid in accordance to the terms of sale, and collection action becomes necessary, this order is subject to an Additional 25% collection fee on the unpaid balance.

REMARKS OR MATERIAL USED

PURCHASE ORDER

No. 12593

DATE _____ DATE REQUIRED _____

BILL TO 540 10TH AVE AT 40TH ST.

CALRAY GAS HTG

TO ~~SANITARY PLUMBING~~
216 E 117 ST
NY NY 10035

SHIP TO "VIOLATION"
MUST HAVE DONE ASAP.

QUANTITY	✓	STOCK NUMBER/DESCRIPTION	PRICE	PER	
		DEMO/REMOVE COMPLETELY EXISTING "NON WORKING" HOT AIR HEATING UNIT/ SYSTEM & CAP OFF OIL LINES & ELECTRIC LINES.			
		(QUOTED LESS THAN 1000-)			
		INVOICE AMT =			866

By _____

SUPPLIER

INVOICE

Service Address
Solil Management
547 Tenth Avenue
New York, NY 10022

CALRAY GAS HEAT CORP.
216 East 117th Street
New York, New York 10035
Tel.: (212) 722-5506 • Fax: (212) 876-8660

GAS HEATING SPECIALISTS
LICENSED PLUMBERS

Major Credit Cards Accepted
MasterCard/Visa/American Express

Client
Solil Management
640 Fifth Avenue
Third Floor
New York, NY 10022

: PO #:
.. Date: 02/22/94
nvoice #: 94001398
Sold By: DENEEN
Type: DESIGN/BUILD/REPLACEMENT
Work Ordr: 94000763
Tax Rate: 8.25 %
Page #: 1
Terms : NET 10 DAYS
Status: REQUESTED INVOICE

#	Description	Quantity	Unit Price	Extended Price
1	Removed Heating System	1.00	800.00	800.00
			Subtotal	800.00
			Sales Tax	66.00
			TOTAL	866.00

ason For Call:MISC
rv. Auth. By :
ervice Dates:02/15/94-02/15/94
mmary of work performed:

emoved existing oil fired heating system.

5/02/94 VIOLATION WORK

51383 OK

iginal Invoice Total 866.00 Payments/Credits 0.00 **TOTAL DUE 866.00**

Please return this stub with payment

AL DUE: 866.00

THOD OF PAYMENT (circle one):

e Enclosed Visa Mastercard

rd #: _____ Expires: _____

Signature _____

Client
Solil Management
640 Fifth Avenue
Third Floor
New York, NY 10022

Service Address
Solil Management
547 Tenth Avenue
New York, NY 10022

Inv #: 94001398
Bill : 1002200629
User : 1002202811
Job : 1002202845
WO # : 94000763

Calray Gas Heat Corp.
216 East 117th Street
New York, NY 10035

FIRST AND OLDEST GAS HEATING COMPANY IN NEW YORK

UNICO SERVICE CORP.

- Technician van 4.5 hrs @ $10.00	$ 45.00 ✓
- Technician Tolls	$ 6.00 ✓
_ Disposed of one (1) 2000 gallon steel tank. 1 dump truck/trailer/operator 7 hrs @ $90.00	$ 630.00 ✓
- Disposed of three (3) drums of tank bottom sludge @ $350.00 a drum	$ 1050.00 ✓
- Disposed of 83 tons of contaminated soil @ $87.00/ton	$ 7221.00 ✓
Sub Total	$18495.00 ✓
Tax	$ 1525.84
Total	$20020.84

SEE BELOW

Alternate additional work

NO - ~~Repair additional asphalt area for concrete islands and 2000 gallon removal.~~ ~~$ 3200.00~~

YES - If you decide to apply a 2" cap of the entire asphalt area, including the above asphalt repairs the cost will be $ 7900.00

Your prompt attention in this matter will be appreciated.

Cordially yours,

UNICO SERVICE CORPORATION

Antonio R. Gomez
President

ARG:cc
7950214.SG

$ 18,495.00
7,900.00
$ 26,395.00
Less 5% (COURTESY) (1,319.75)
$ 25,075.25

$ 25,075.25
TX 2068.70
$ 27,143.95
AMT DUE

UNICO SERVICE CORP.

EXTRA TO BABB P.O.#20044

July 24, 1995

The Estate of Sol Goldman
640 Fifth Avenue
New York, New York 10019

Attention: Mr. John Amisano
Director of Construction & Development

Reference: Fast Towing & Auto Repair
547 10th Avenue
Manhattan (Between 40-41st Streets)

Gentlemen:

We are submitting for your review and approval, the following additional work performed at the above location.

- Remove & dispose of an existing concrete island & fixtures.	$ 300.00 ✓
- Removed & disposed of 434 gallons contaminated water. @ $1.00/gallon	$ 434.00 ✓
1 Vac Truck / Operator 4.5 Hours @ $75.00	$ 337.50 ✓
- Removed an additional 2000 gallon vaulted underground storage tank. Concrete breaker / Operator. Concrete Breaker @65.00/hr x 8 hrs = $520. x 2 days	$ 1040.00 ✓
Concrete Breaker operator @11.5 hrs x $75.00 = $862.50 x 2 days	$ 1725.00 ✓
- Dispose two (2) dump truck loads of concrete debris 48 tons @ $325.00 / load	$ 650.00 ✓
- Provided 131 tons of fill @ $18.00/ton	$ 2358.00 ✓
- Stock piled 83 tons of contaminated soil Backhoe ($50.00.hr)/operator ($75.00/Hr) 2hrs @ $125.00	$ 250.00 ✓
- Analytical report - $1906.00 + 15%	$ 2192.00 ✓
- Environmental Technician 4.5 hrs @ $57.00/hr	$ 256.50 ✓

UNICO SERVICE CORP.

57 MALL DRIVE • COMMACK, NY 11725 • 516-864-1772 FAX 516-864-1764

TANK/PUMP INSTALLATION • SERVICE STATION MAINTENANCE
CERTIFIED TANK TESTING • GENERAL CONTRACTOR

THE ESTATE OF SOL GOLDMAN
640 FIFTH AVENUE

NEW YORK NY 10019

LOCATION

FAST TOWING & AUTO REPAIR
547 10TH AVENUE

MANHATTAN NY

NO.	CUST NO	CUSTOMER ORDER NO	DATE COMPLETED	TERMS	DATE	INVOICE NO
573	685	20044	7/26/95	NET 30 DAYS	7/26/95	004375

S	ITEM NUMBER	DESCRIPTION	UNIT PRICE	AMOUNT
		PARTIAL BILLING AGAINST EXTRA TO BASE P.O. #20044.		
		BALANCE OF EXTRA $13,075.25 + TAX.		
1.00	*	COST FOR ABOVE	12000.00	12000.00

PARTIAL Work Done
OK TO PAY
@ 7/26/95

TOTAL EXTRA = $27,143.95 (INCLUDES TAX)
LESS THIS REQUEST = (12,990.00)
BALANCE TO COMPLETION OF WORK = $14153.95

O/K
PAY $12,990.00

SALE AMOUNT	12000.00
SALES TAX	990.00
RETENTION	.00
TOTAL	12990.00

UNICO SERVICE CORP.

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TANK/PUMP INSTALLATION • SERVICE STATION MAINTENANCE
CERTIFIED TANK TESTING • GENERAL CONTRACTOR

THE ESTATE OF SOL GOLDMAN
640 FIFTH AVENUE

NEW YORK NY 10019

LOCATION

FAST TOWING & AUTO REPAIR
547 10TH AVENUE
(BETWEEN 40-41ST STREETS)
MANHATTAN NY

SOLL 232 GSG GRI

O.	CUSTAC	CUSTOMER ORDER NO.	DATE COMPLETED	TERMS	DATE	INVOICE NO.
73	685	20044	7/21/95	NET 30 DAYS	7/21/95	004281

	ITEM NUMBER	DESCRIPTION	UNIT PRICE	AMOUNT
		WORK COMPLETED TO DATE - PER AGREEMENT.		
00	*	PARTIAL BILLING	15000.00	15000.00

PARTIAL WORK DONE
OK TO PAY
OK 7/26/95

ORIGINAL BASE WORK TO REMOVE TANKS

TOTAL BASE AMT = $ 20,432.18 (INCL. TAX)
LESS THIS REQUEST = (16,237.50)
BALANCE TO = $ 4,194.68
BASE CONTRACT
COMPLETION

OK
PAY $ 16,237.50

SALE AMOUNT	15000.00
SALES TAX	1237.50
RETENTION	.00

UNICO SERVICE CORP.

57 MALL DRIVE • COMMACK, NY 11725 • 516-864-1772 FAX 516-864-1764

TANK/PUMP INSTALLATION • SERVICE STATION MAINTENANCE
CERTIFIED TANK TESTING • GENERAL CONTRACTOR

THE ESTATE OF SOL GOLDMAN
640 FIFTH AVENUE

NEW YORK NY 10019

LOCATION

FAST TOWING & AUTO REPAIR
547 10TH AVENUE
(BETWEEN 40-41ST STREETS)
MANHATTAN NY

CUST. NO.	CUSTOMER ORDER NO.	DATE COMPLETED	TERMS	DATE	INVOICE NO.
685	20044	8/21/95	NET 30 DAYS	8/21/95	004466

ITEM NUMBER	DESCRIPTION	UNIT PRICE	AMOUNT
	THIS INVOICE BEING ISSUED TO COVER WORK COMPLETED FOR THE ABOVE LOCATION.		
	BALANCE OF EXTRA TO BASE CONTRACT:	$13,075.25	
	BALANCE DUE FROM ORIGINAL CONTRACT:	$ 3,875.00	
0 *	INVOICE TOTAL	16950.25	16950.25

WORK DONE

OK TO PAY
JC 8/16/95

① BAL. ON BASE $ 4,194.68
② BAL ON EXTRAS $ 14,153.95
$ 18,348.63
AMT DUE

OK
AD

SALE AMOUNT	16950.25
SALES TAX	1398.40
RETENTION	.00

547-107th Ave

547-107th Ave


24 HR SERVICE
FAST TOWING &
AUTO REPAIR
239-3636
FOREIGN & DOMESTIC
PARTS & REPAIRS
BMW
AUDI
HONDA
Mercedes
SAAB
MUFFLERS
STARTERS
COLLISION BODY SHOP
TUNE UPS ENGINES IGNITION
TRANSMISSIONS BRAKES
SHOCKS STRUTS SPRINGS
ALTERNATORS CARBURETORS
VOLVO
PORSCHE
JAGUAR
SUBARU
NISSAN
REGISTERED
MOTOR VEHICLE
REPAIR SHOP
5 13 94

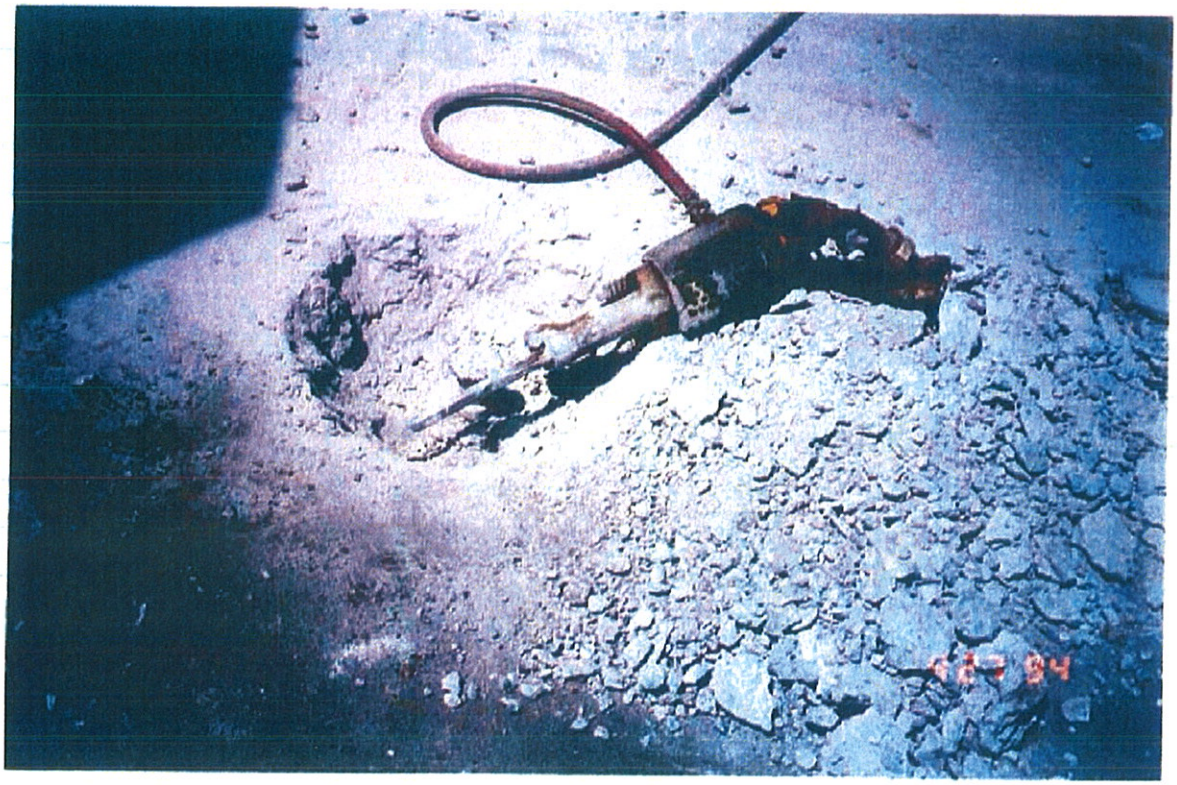

5 27 94


5 13 94


5 27 94


4 26 94


4 26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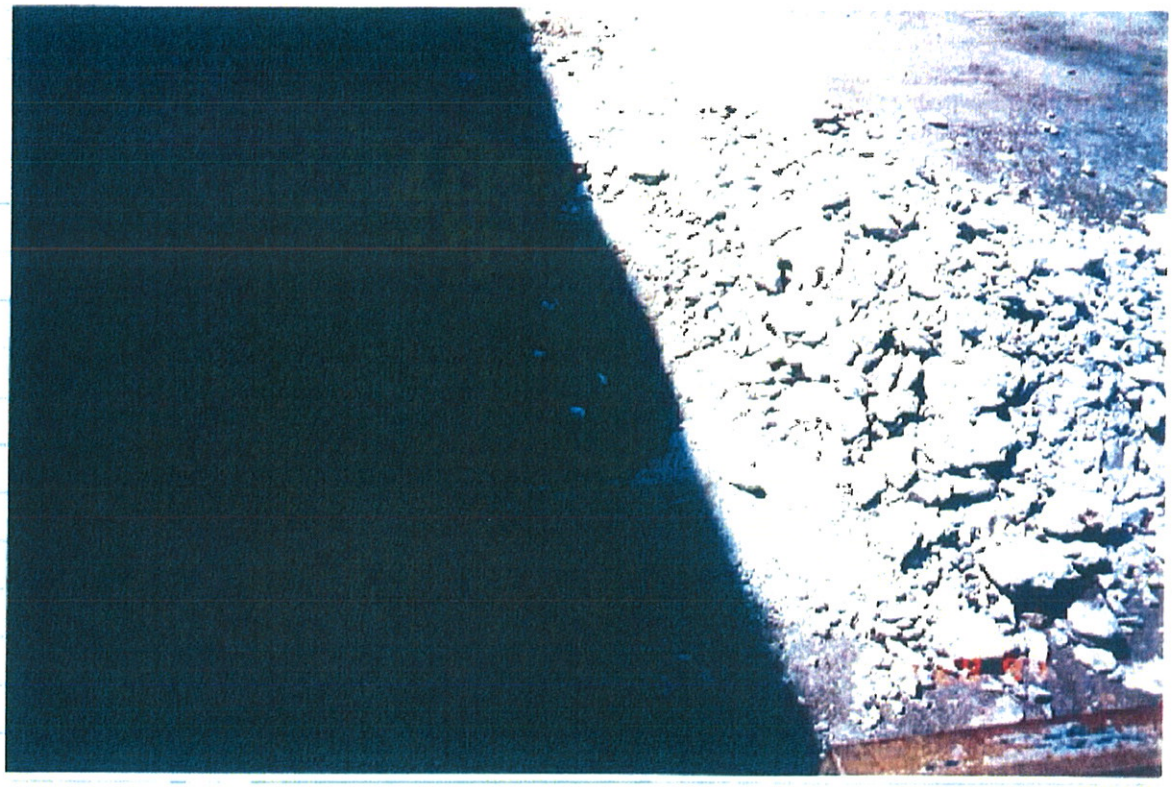
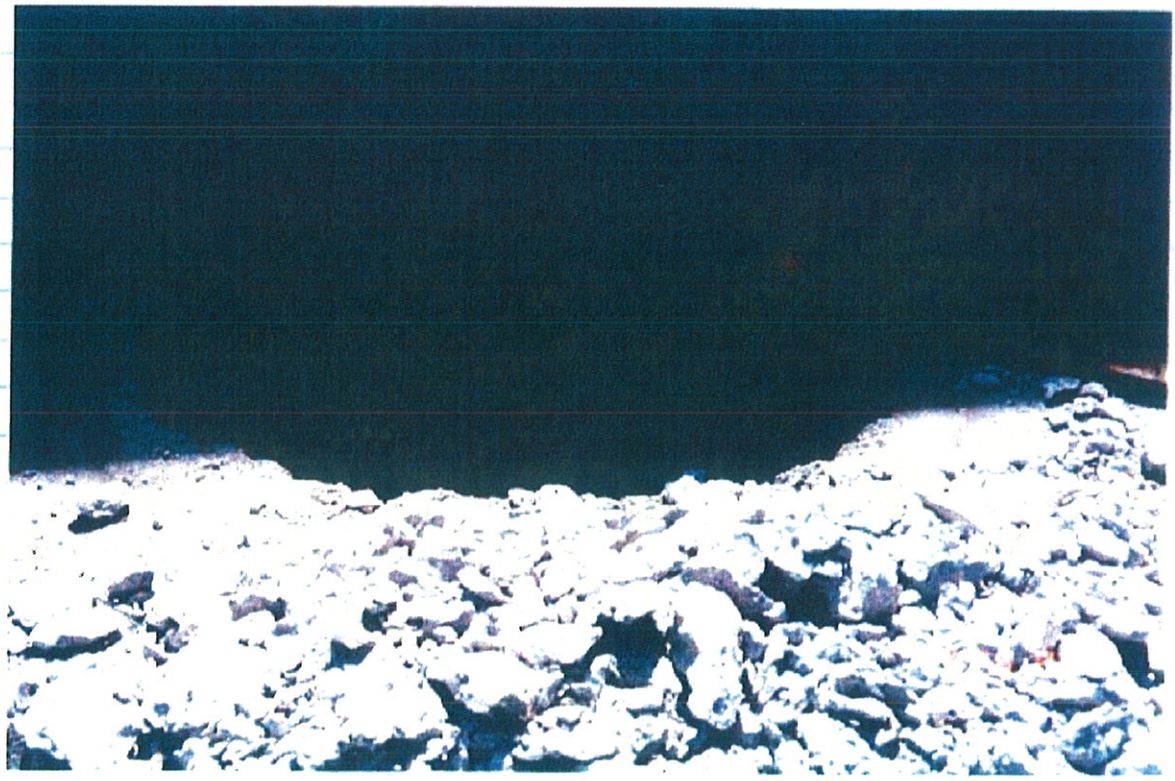





SUPPORT
WORLD
DEMOCRACY
RECOGNIZE
'S FREE
CROATIA
AUTO REPAIR
BMW
AUDI
HONDA
Mercedes
SAAB
VOLVO
PORSCHE
"1750 GALLONS"
UNICO
CT-HW-522
ENVIRONMENTAL
ERVICE


24 HR
SERVICE
AUTO REPAIR
239 3636
BMW
AUDI
HONDA
Mercedes
SAAB
FOREIGN & DOMESTIC
PARTS & REPAIRS
MUFFLERS
STARTERS
COLLISION BODY SHOP
TUNE-UPS ENGINES IGNITION
TRANSMISSIONS BRAKES
SHOCKS STRUTS SPRINGS
ALTERNATORS CARBURETORS
REGISTERED
MOTOR VEHICLE
REPAIR SHOP


24HR
AUTO REPAIR


BEEPER
ASS
24HR
AUTO REPAIR
VOLVO
PORSCHE
JAGUAR
SUBARU
NISSAN


24HR
SERVICE
AUTO REPAIR
239-3036
VOLVO
PORSCHE
JAGUAR
SUBARU
NISSAN
WORLD
DEMOCRAC
RECOGNIZ
& FREE
CROATIA


24HR SERVICE
AUTO REPAIR-
BMW
AUDI
HONDA
SAAB


4X4
680L
CAST


UNICO


PEPSI

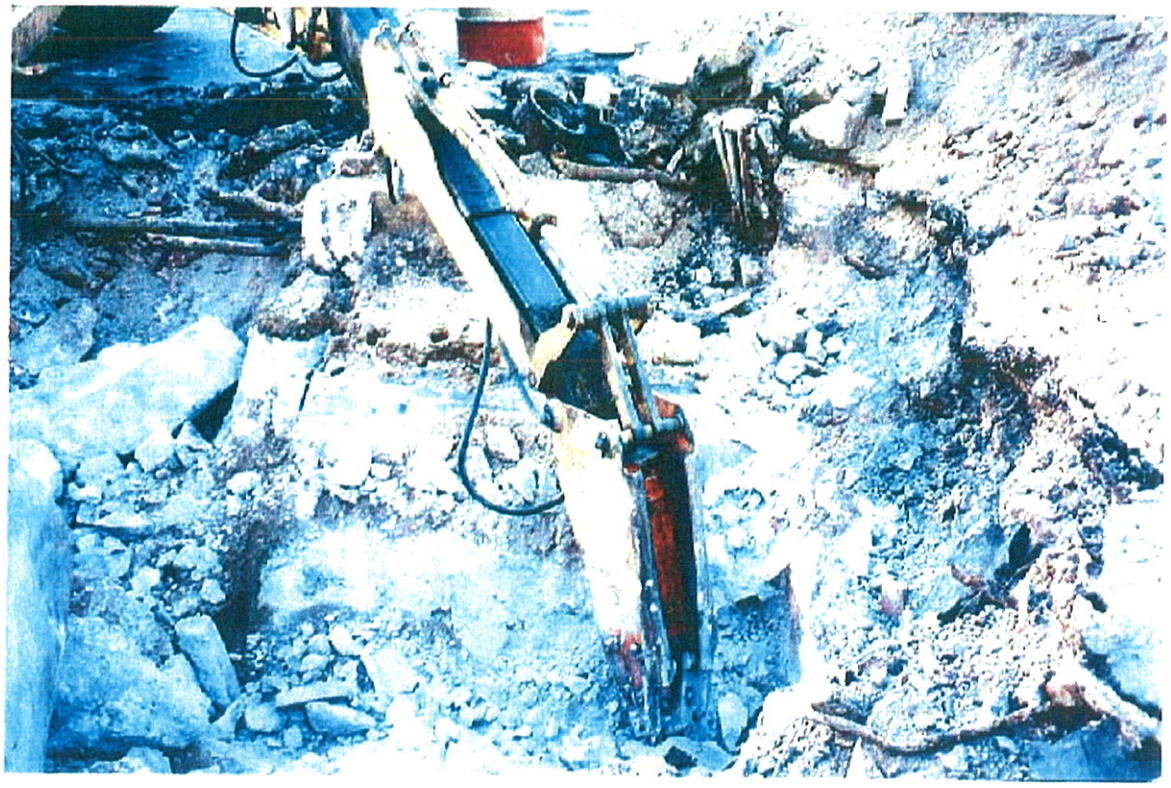

DEMOCRACY
RECOGNIZE
& FREE
CROATIA
AUTO REPAIR
CASE
680L


UNICO


UNICO

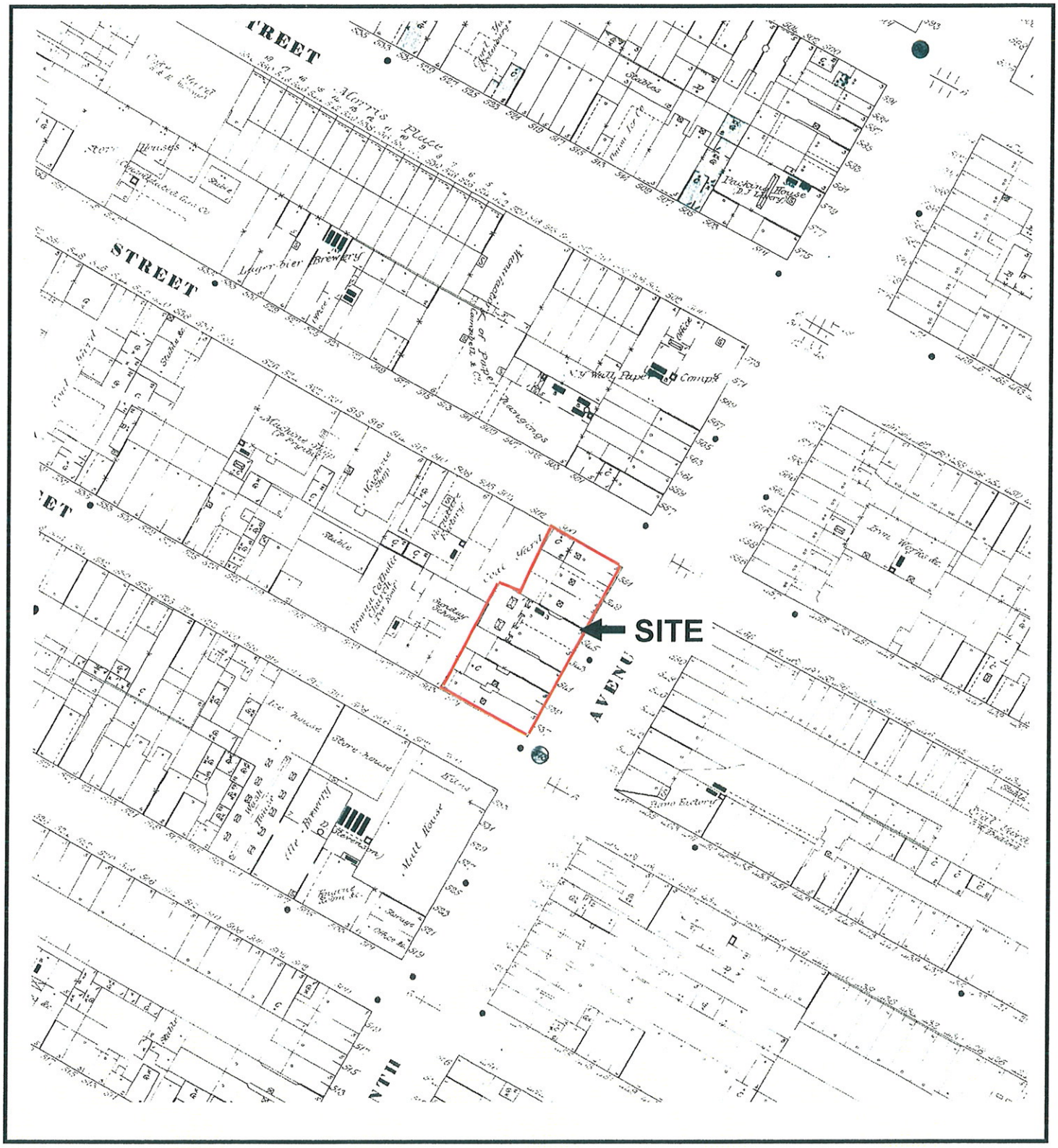

24 HR
SERVICE
AUTO REPAIR
239 3636
BMW
AUDI
HONDA
Mercedes
SAAB
VOLVO
PORSCHE
JAGUAR
SUBARU
NISSAN
CROATIA


BEEPER
GLASS
24 HR
SERVICE
AUTO REPAIR
239 3636
BMW
AUDI
HONDA
Mercedes
SAAB
COLLISION BODY SHOP
TUNE-UPS ENGINES IGNITION
TRANSMISSIONS BRAKES
SHOCKS STRUTS SPRINGS
ALTERNATORS CARBURETORS



ATTACHMENT C

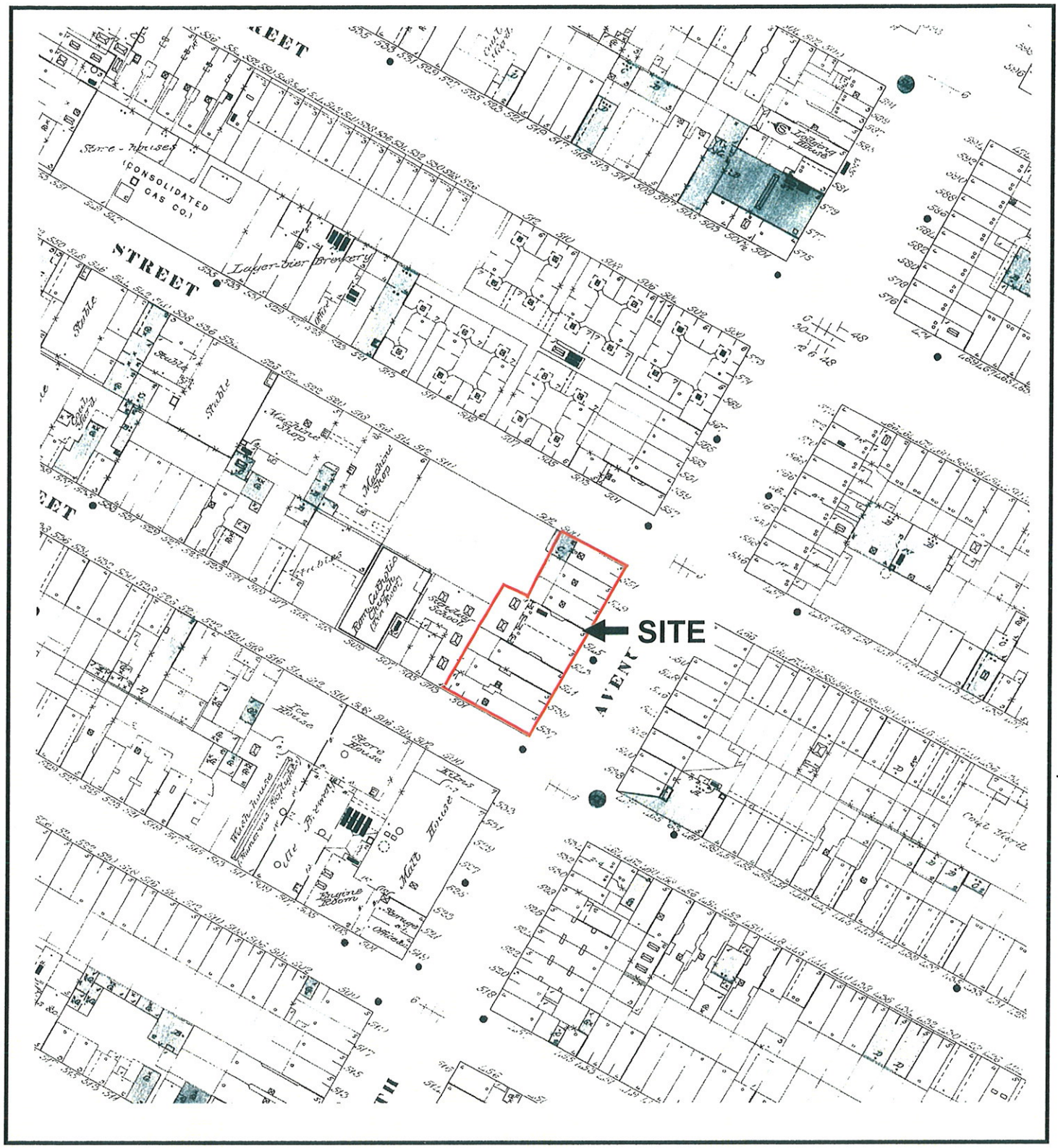
SANBORN FIRE INSURANCE MAPS



Commercial Property
547-551 Tenth Avenue
New York, New York

1890 Sanborn Map

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey



Commercial Property
547-551 Tenth Avenue
New York, New York

1899 Sanborn Map

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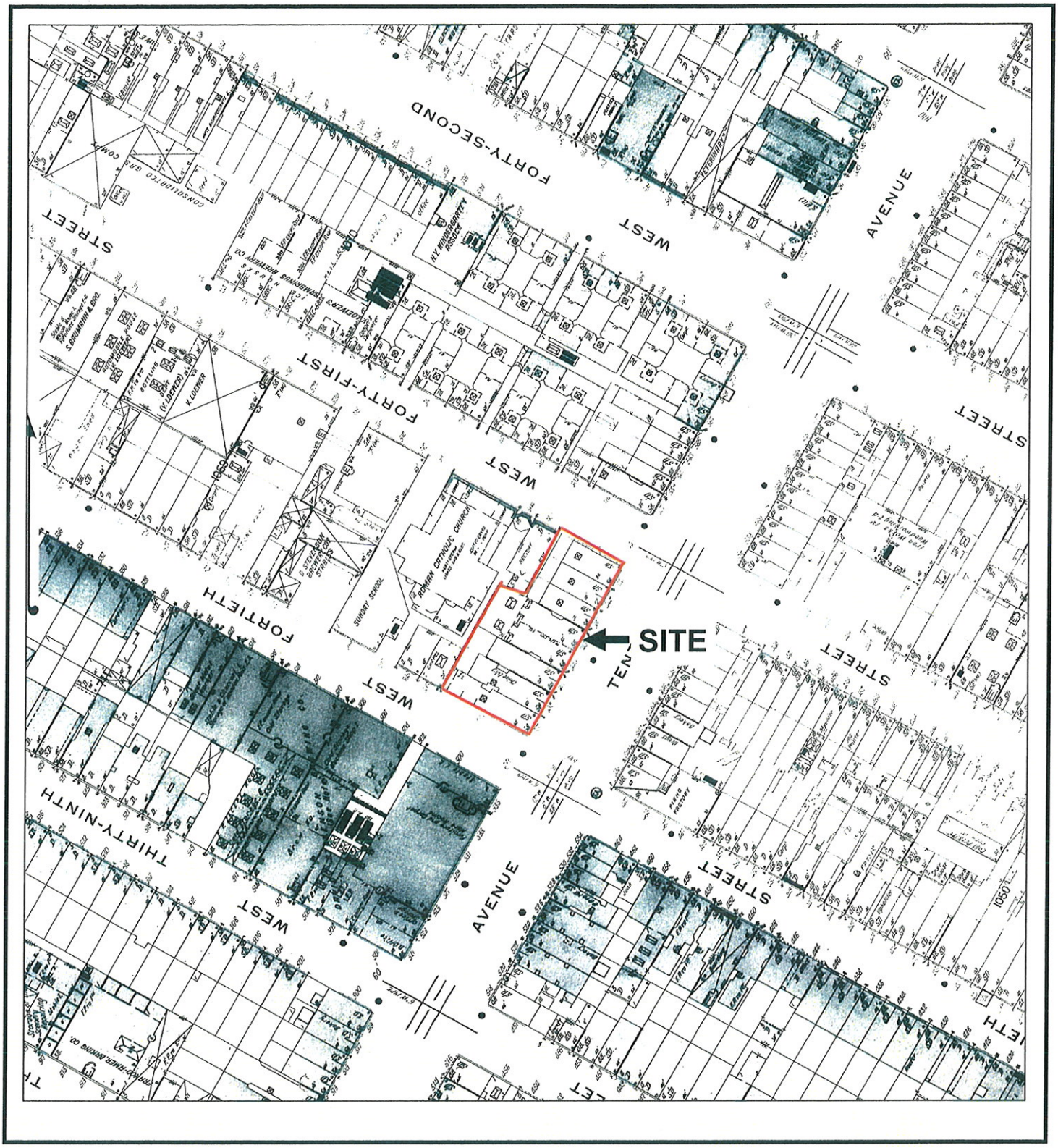
Hoboken, New Jersey



Commercial Property
547-551 Tenth Avenue
New York, New York

1911 Sanborn Map

Atlantic Environmental Solutions
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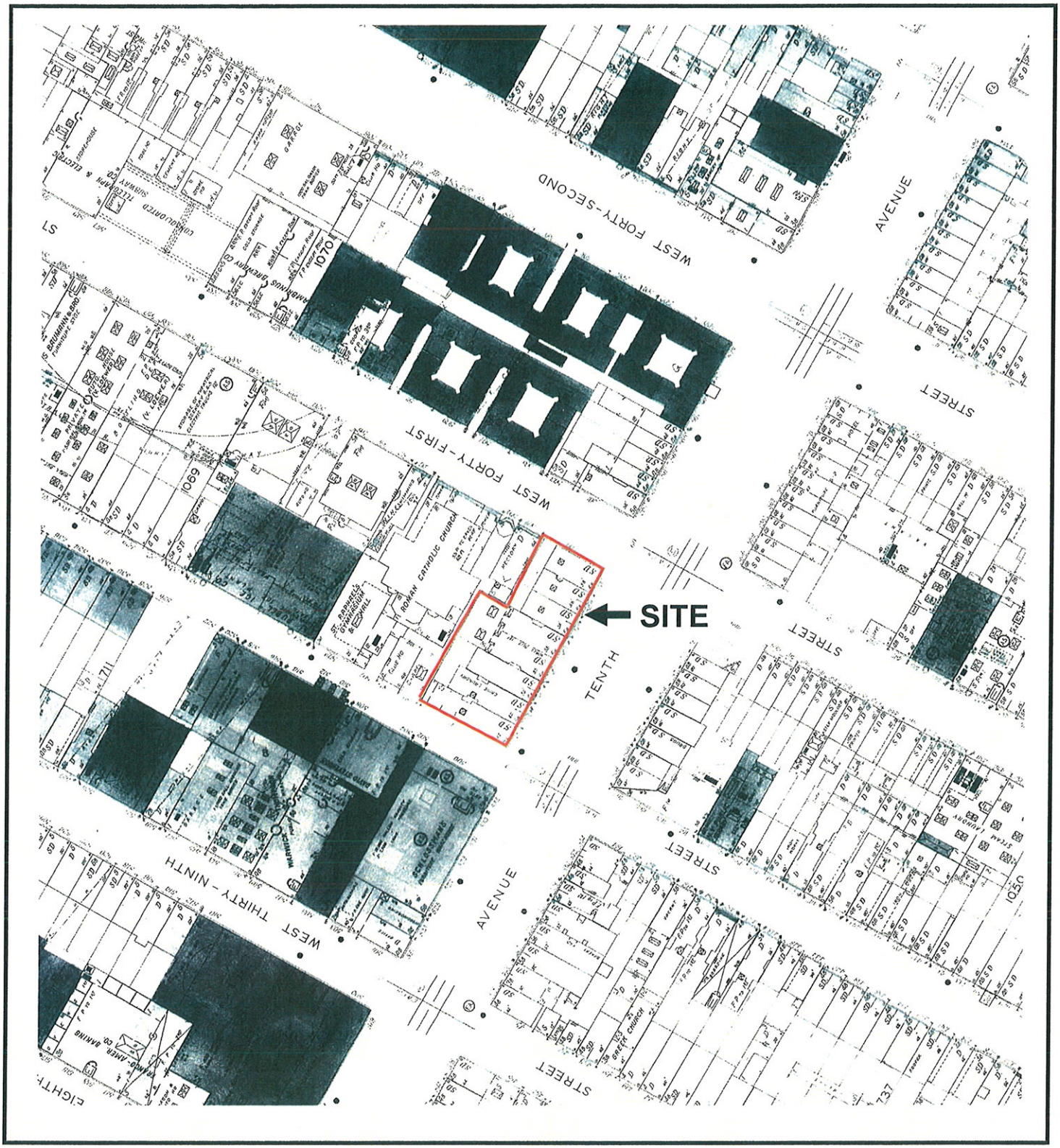
Hoboken, New Jersey



Commercial Property
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New York, New York

1930 Sanborn Map

Atlantic Environmental Solutions
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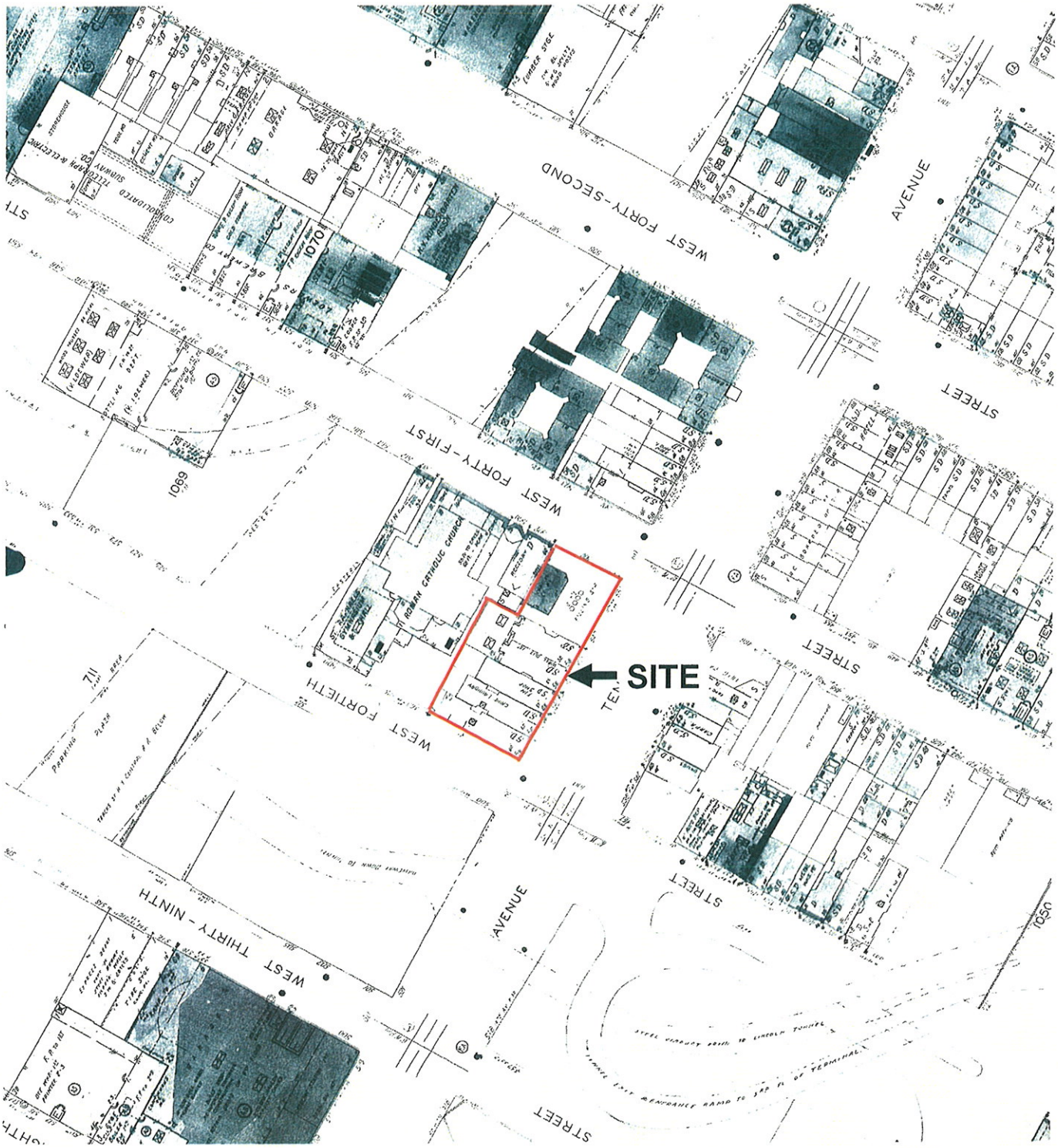
Hoboken, New Jersey



Commercial Property
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New York, New York

1950 Sanborn Map

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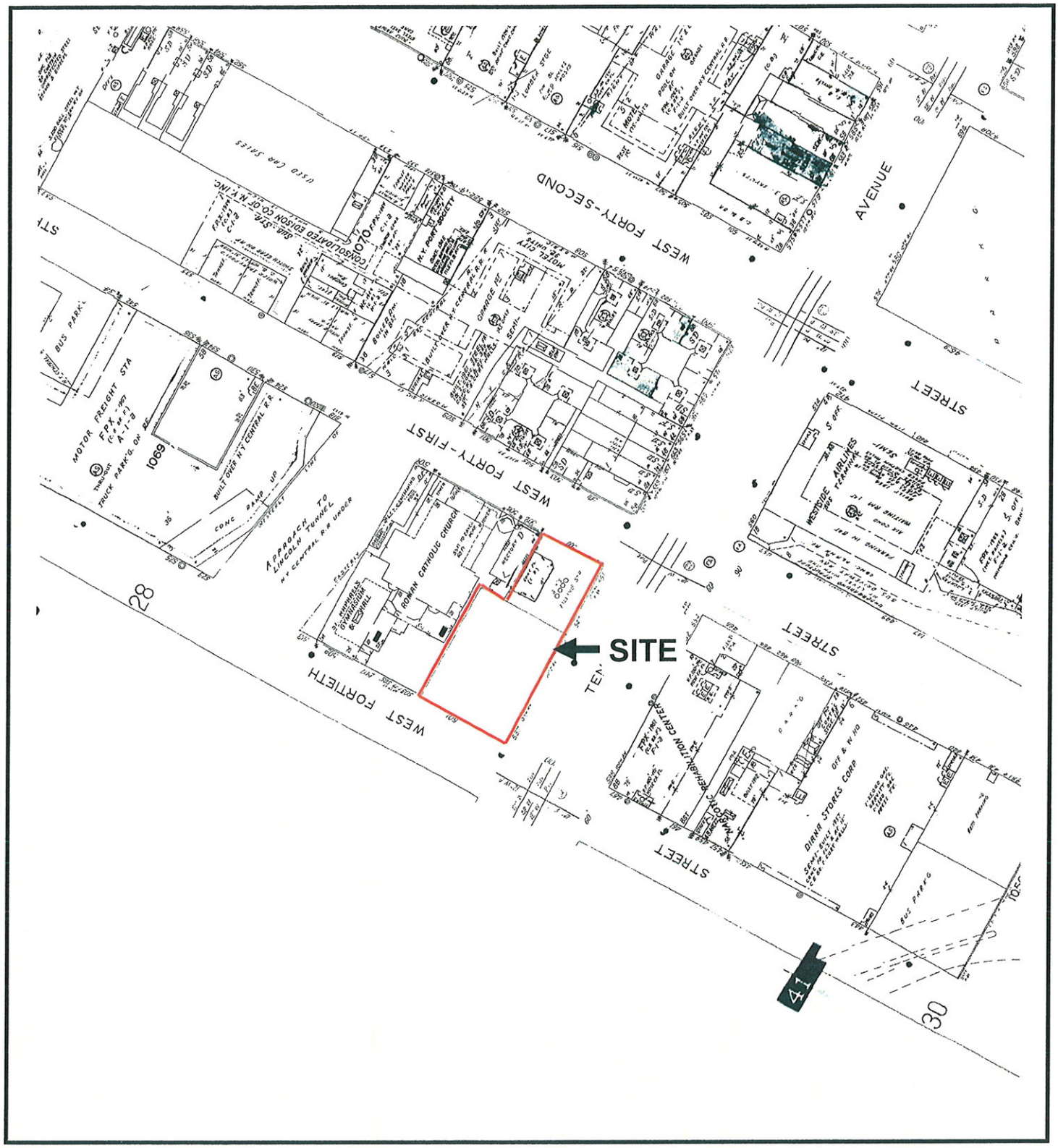
Hoboken, New Jersey



Commercial Property
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New York, New York

1968 Sanborn Map

Atlantic Environmental Solutions
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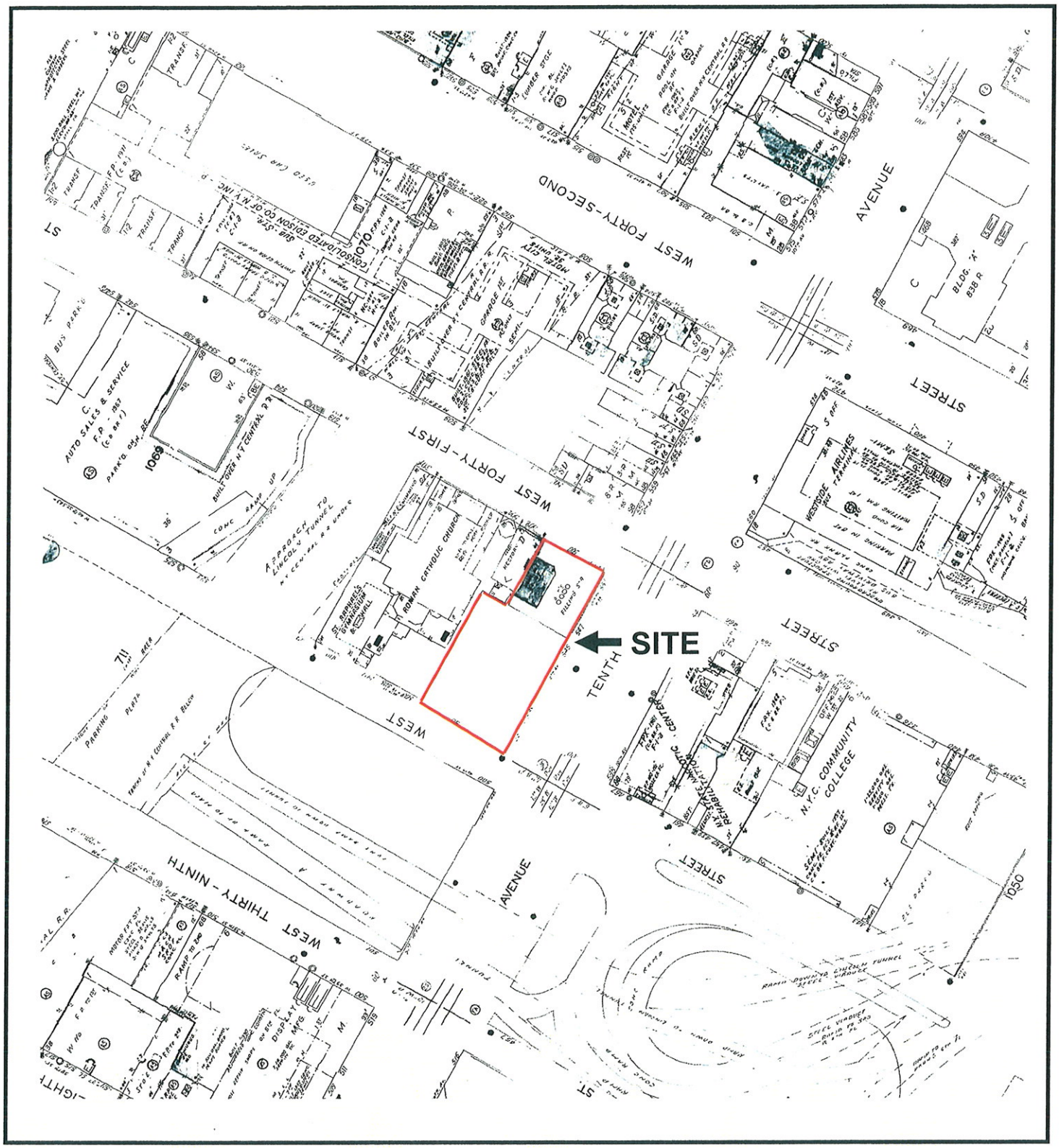

Commercial Property
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New York, New York

1979 Sanborn Map

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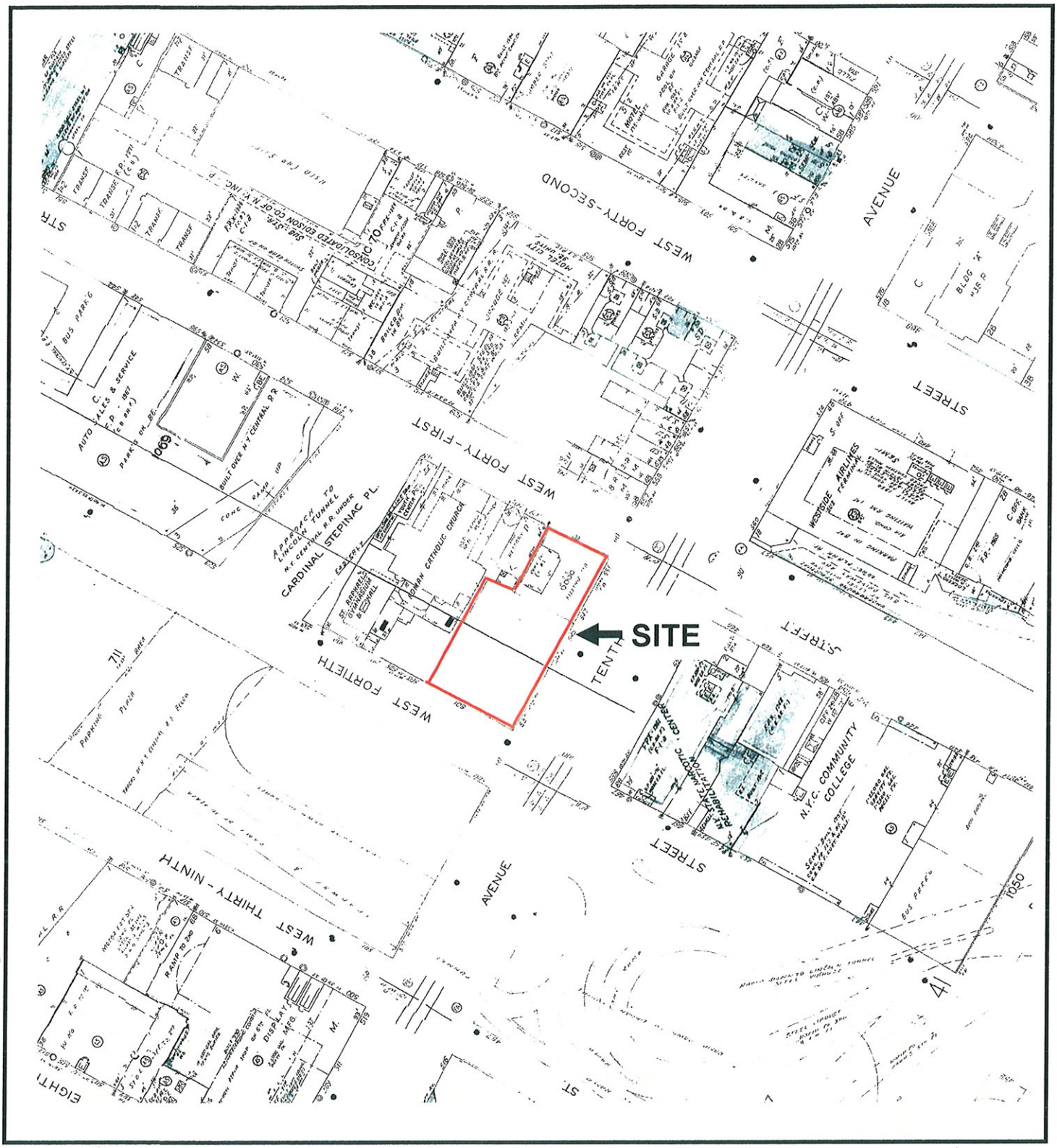
Hoboken, New Jersey



Commercial Property
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1980 Sanborn Map

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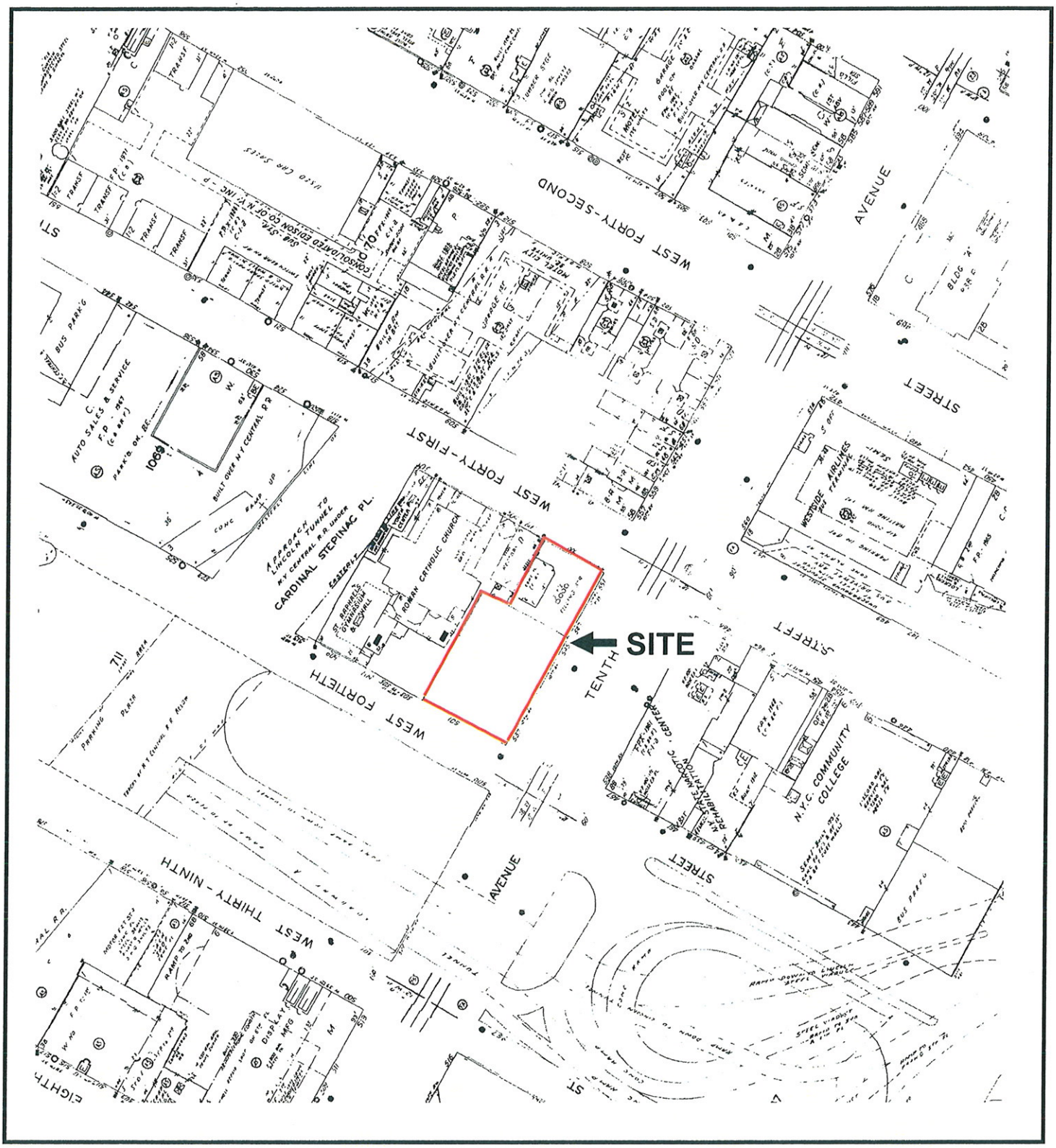

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1982 Sanborn Map

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Commercial Property
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1984 Sanborn Map

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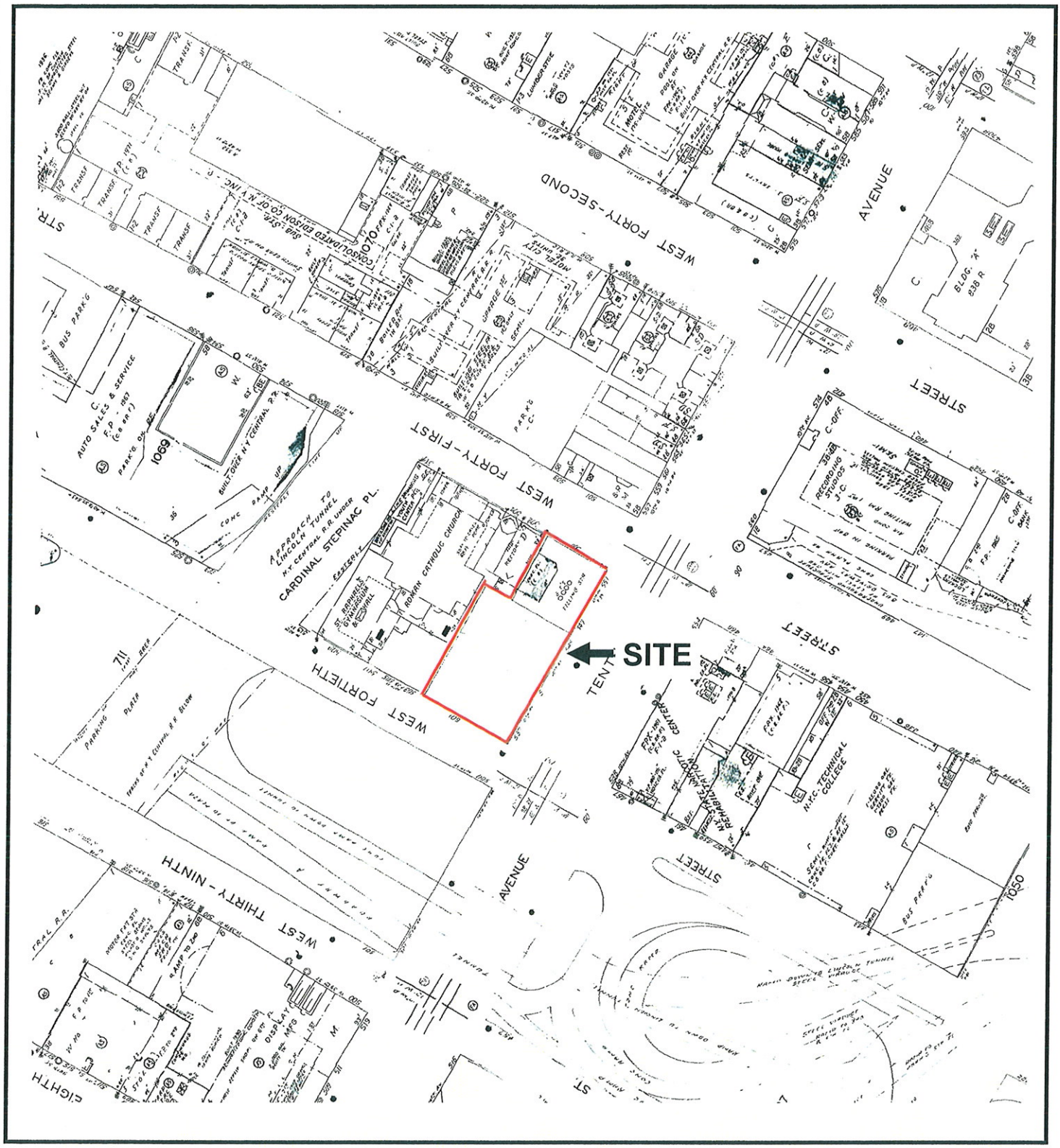

Commercial Property
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1985 Sanborn Map

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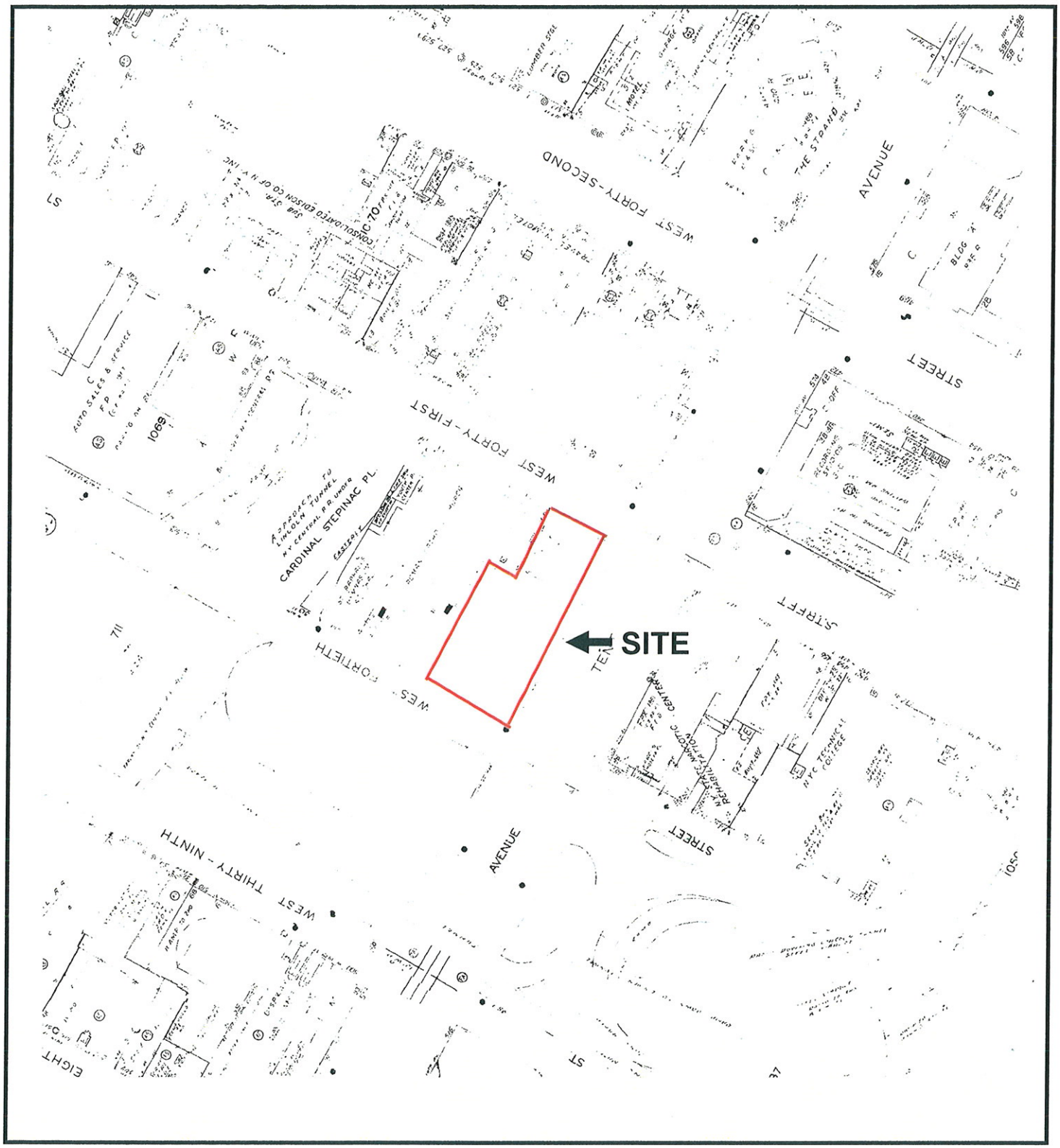

Commercial Property
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New York, New York

1988 Sanborn Map

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Hoboken, New Jersey

Commercial Property
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New York, New York

1990 Sanborn Map

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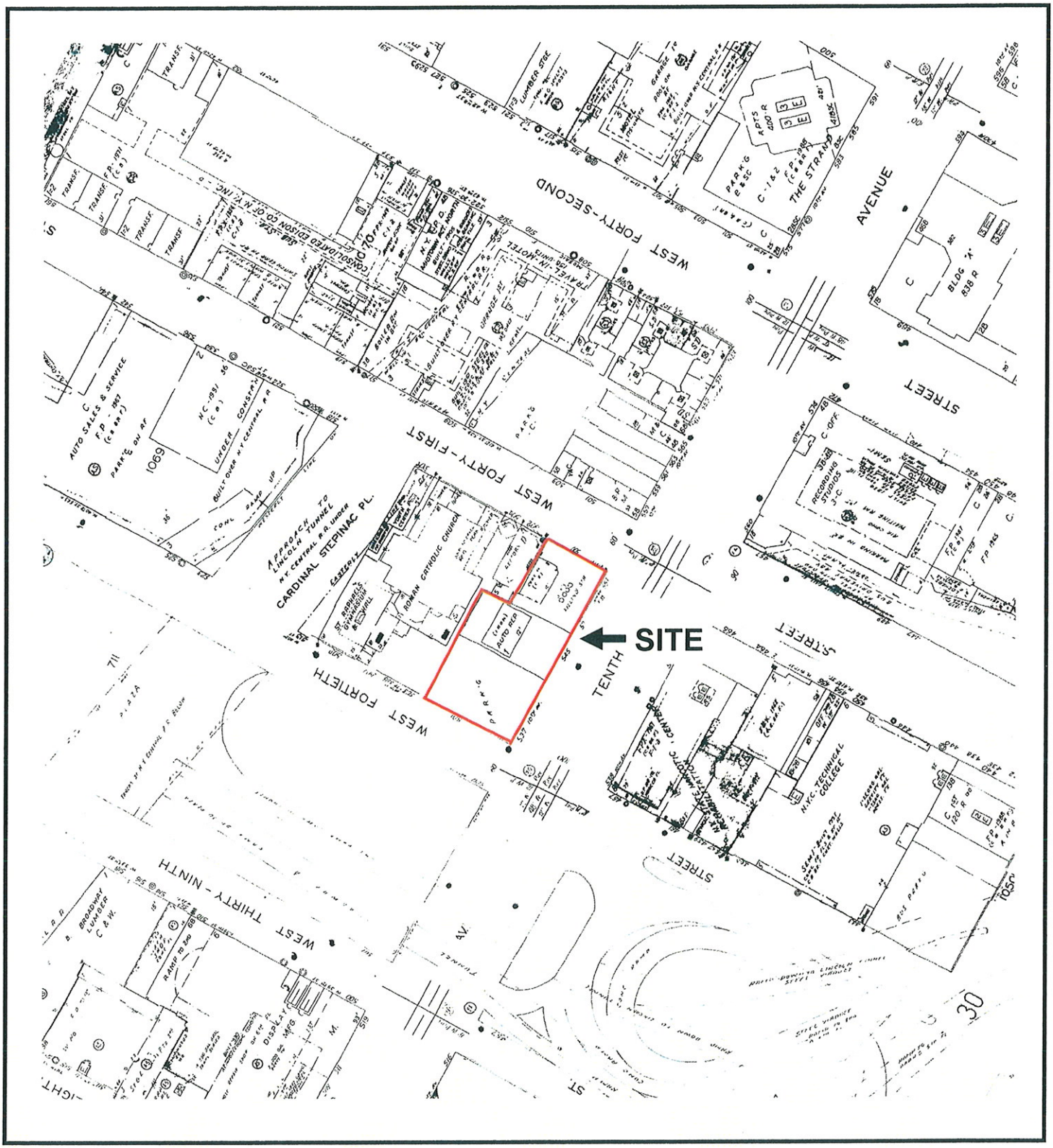
Hoboken, New Jersey



Commercial Property
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New York, New York

1991 Sanborn Map

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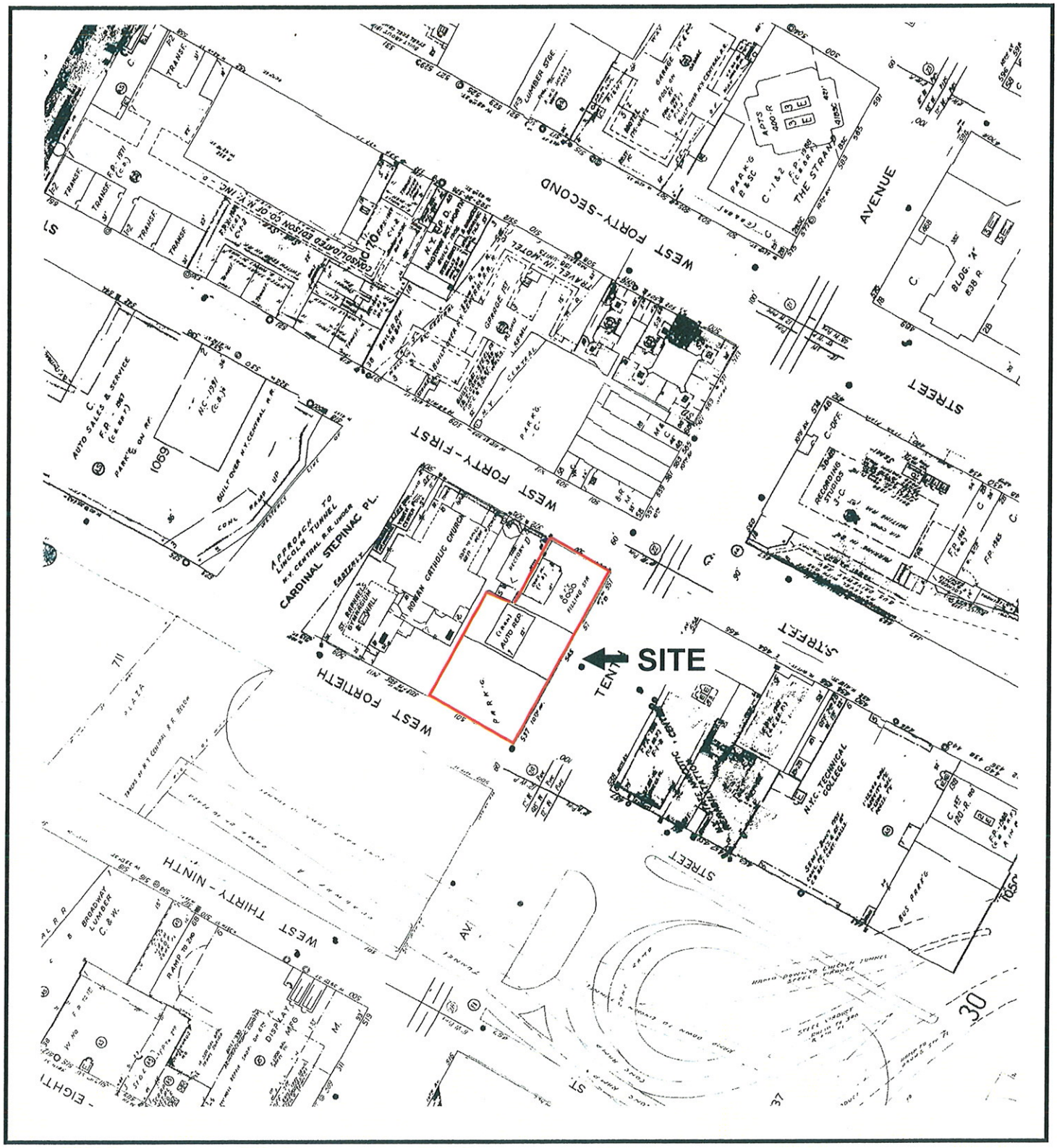

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New York, New York

1992 Sanborn Map

Atlantic Environmental Solutions
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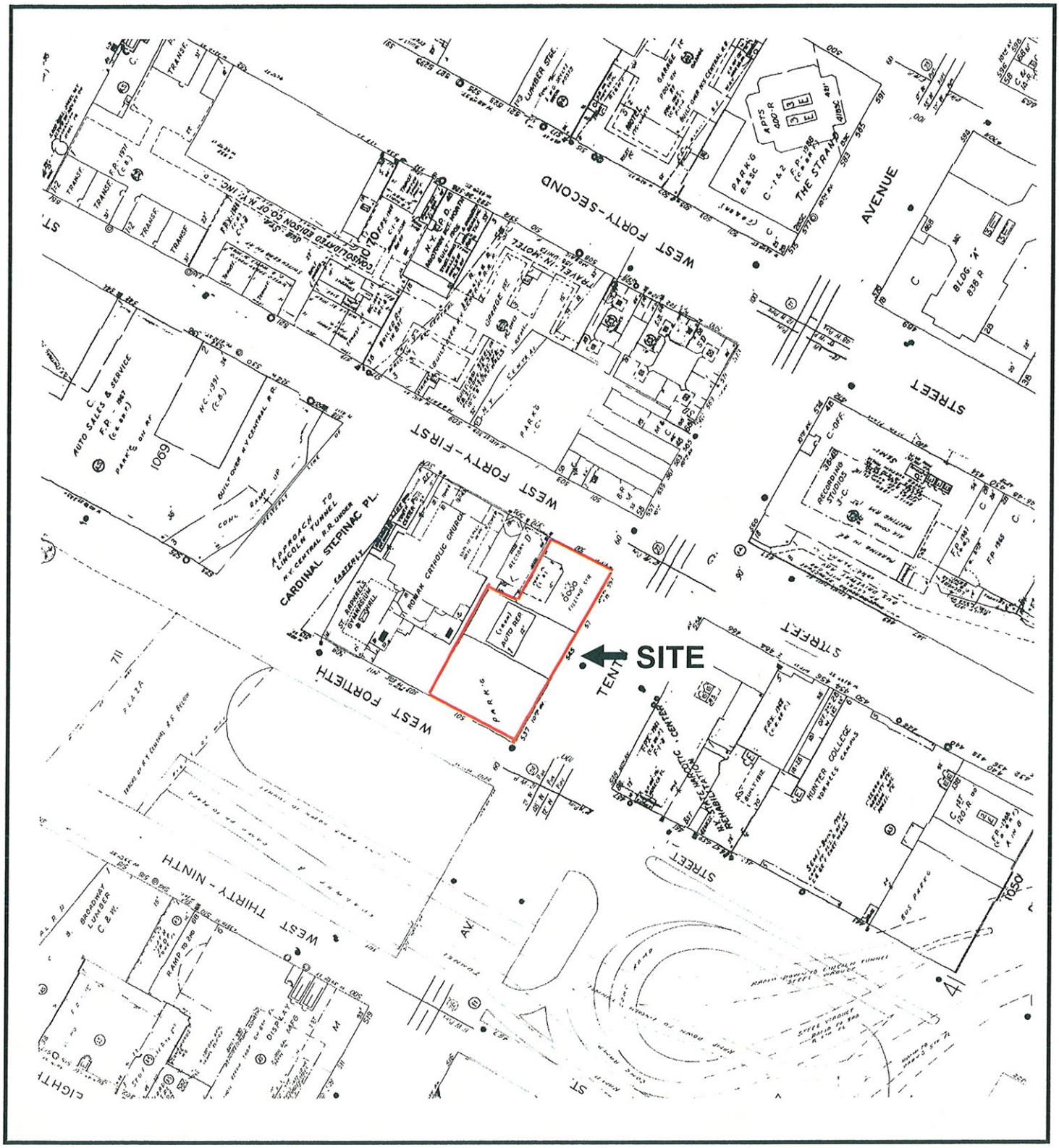
Hoboken, New Jersey



Commercial Property
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New York, New York

1993 Sanborn Map

Atlantic Environmental Solutions
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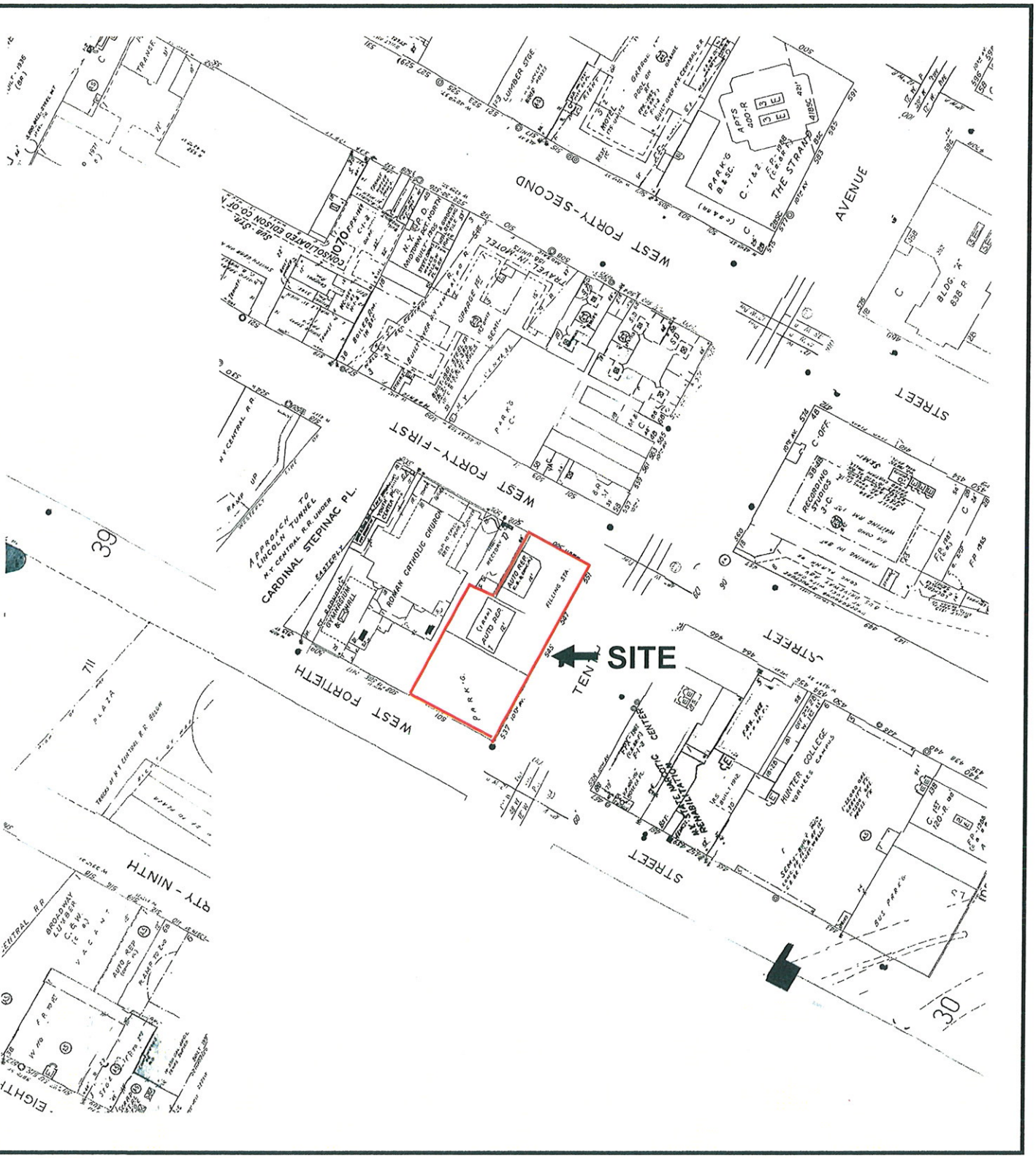
Hoboken, New Jersey



Commercial Property
547-551 Tenth Avenue
New York, New York

1994 Sanborn Map

Atlantic Environmental Solutions
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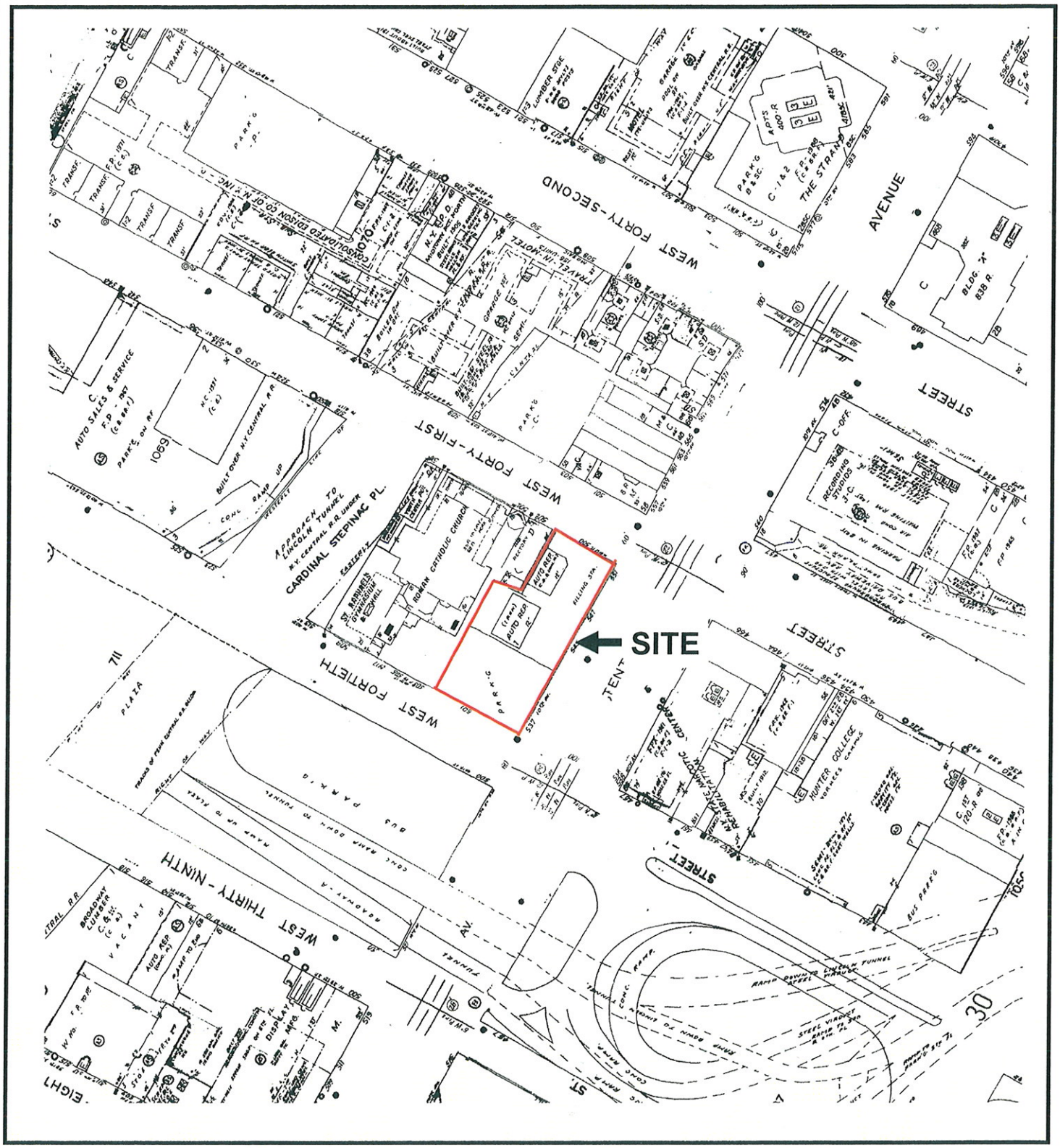

Commercial Property
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1995 Sanborn Map

Atlantic Environmental Solutions
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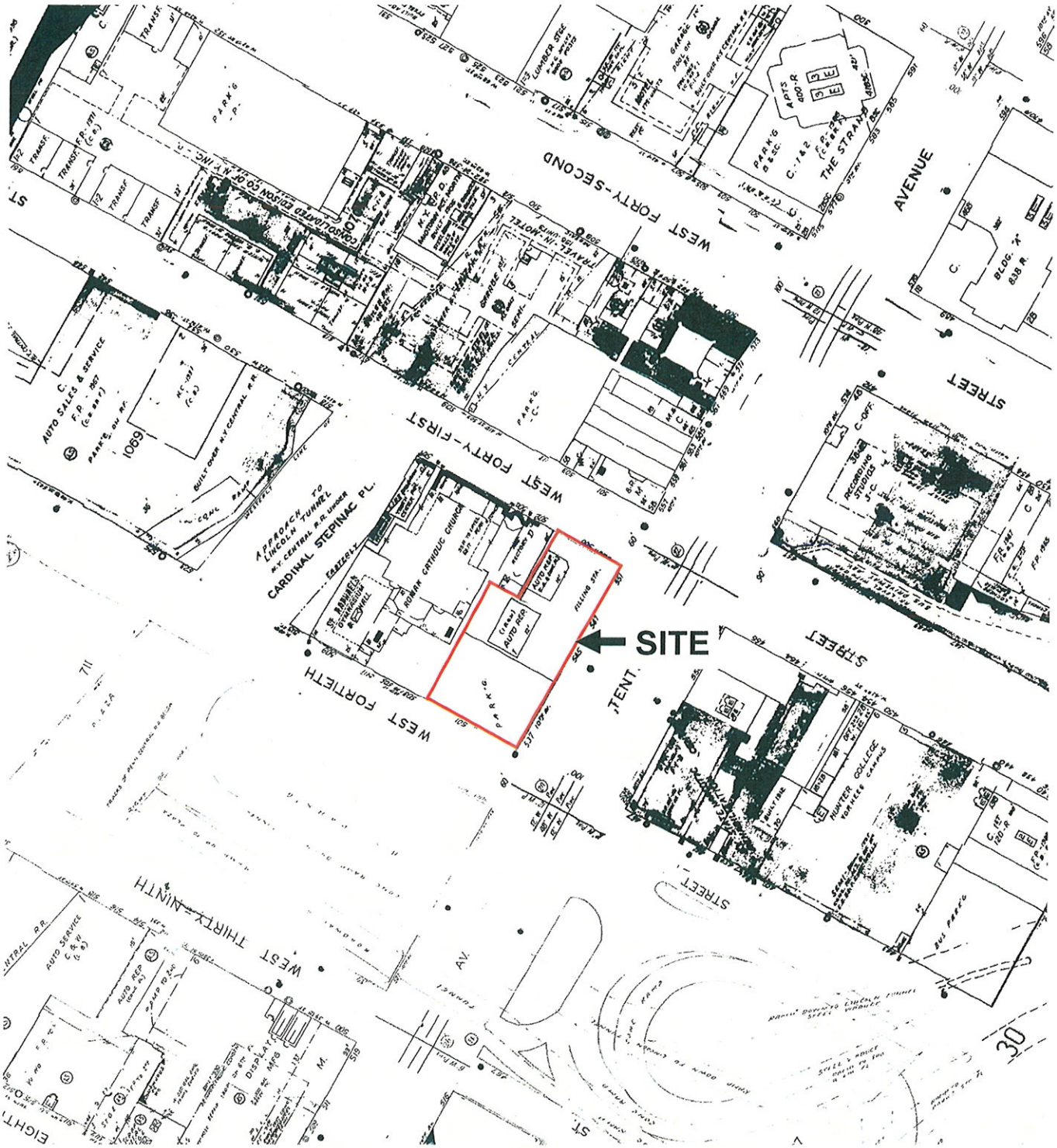
Hoboken, New Jersey



Commercial Property
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New York, New York

1996 Sanborn Map

Atlantic Environmental Solutions
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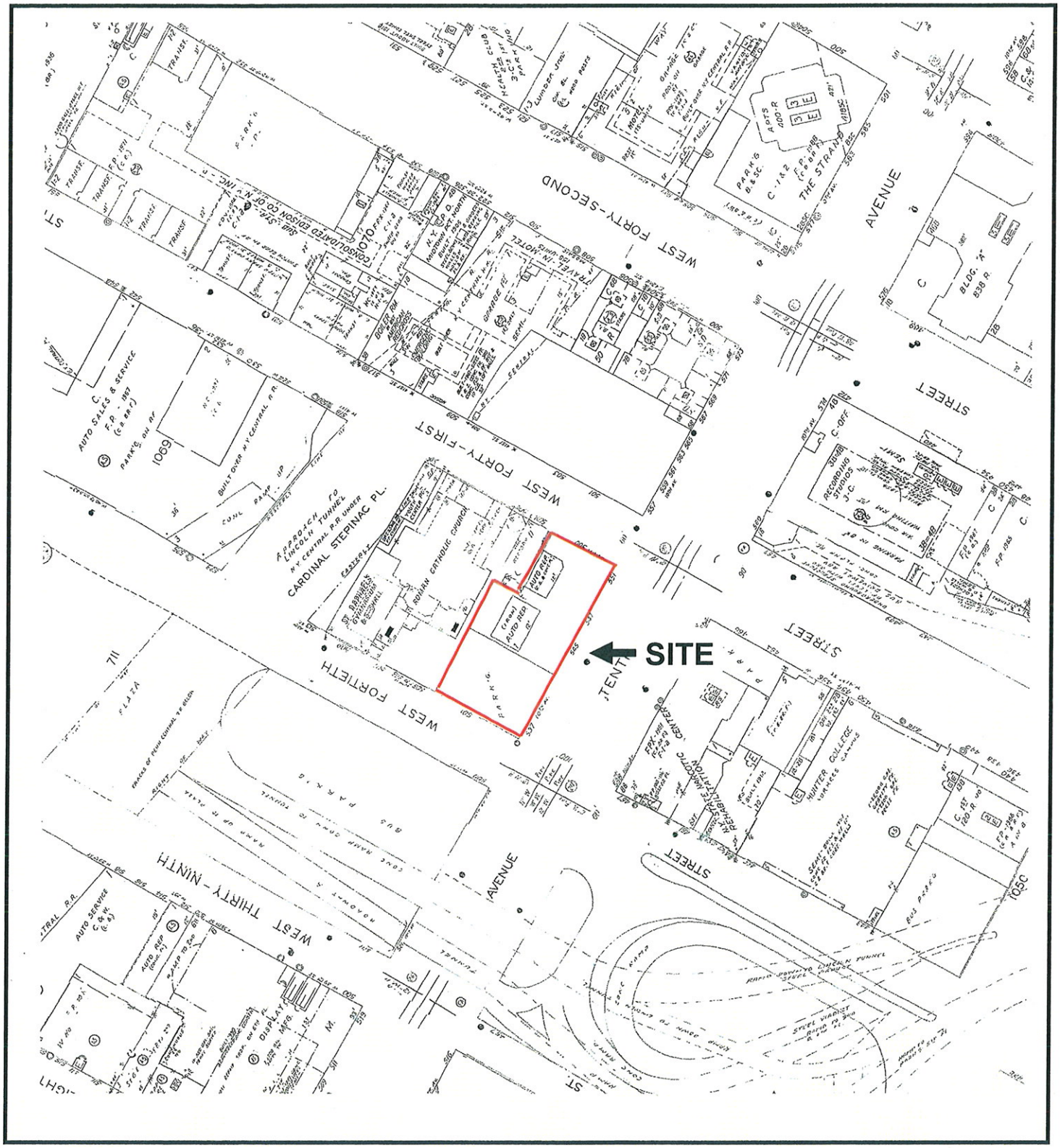
Hoboken, New Jersey



Commercial Property
547-551 Tenth Avenue
New York, New York

2001 Sanborn Map

Atlantic Environmental Solutions
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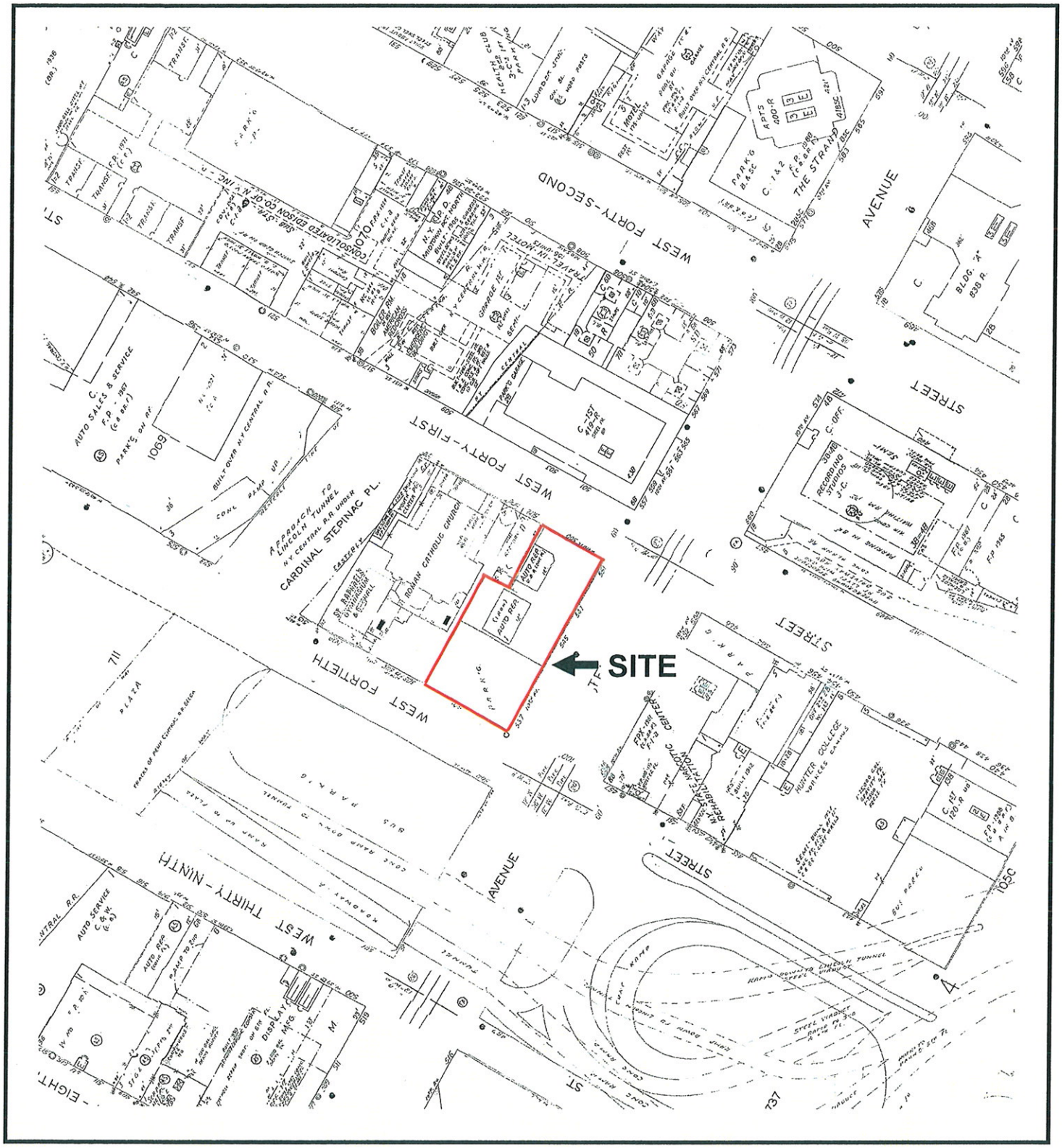
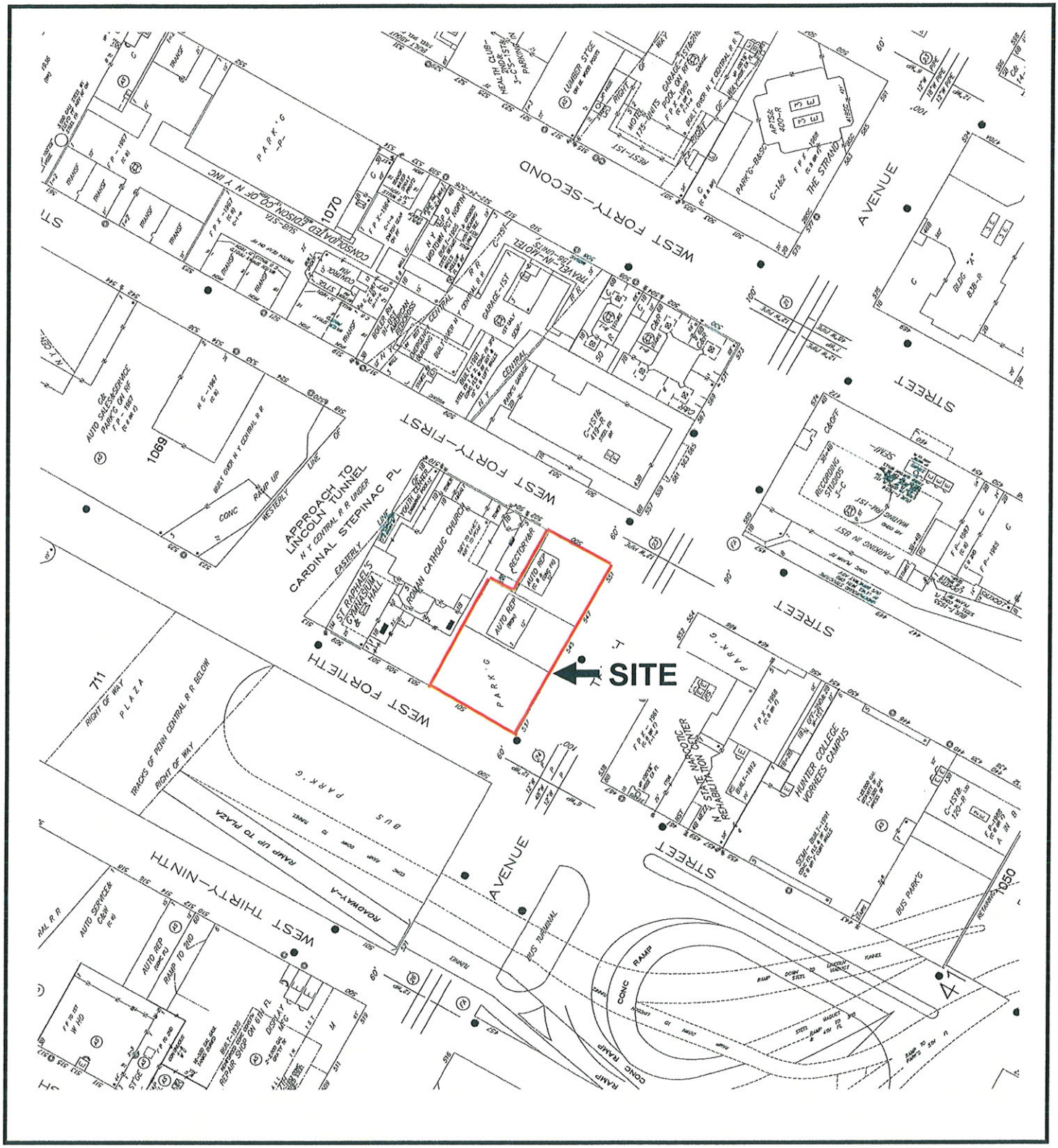
Hoboken, New Jersey



Commercial Property
547-551 Tenth Avenue
New York, New York

2002 Sanborn Map

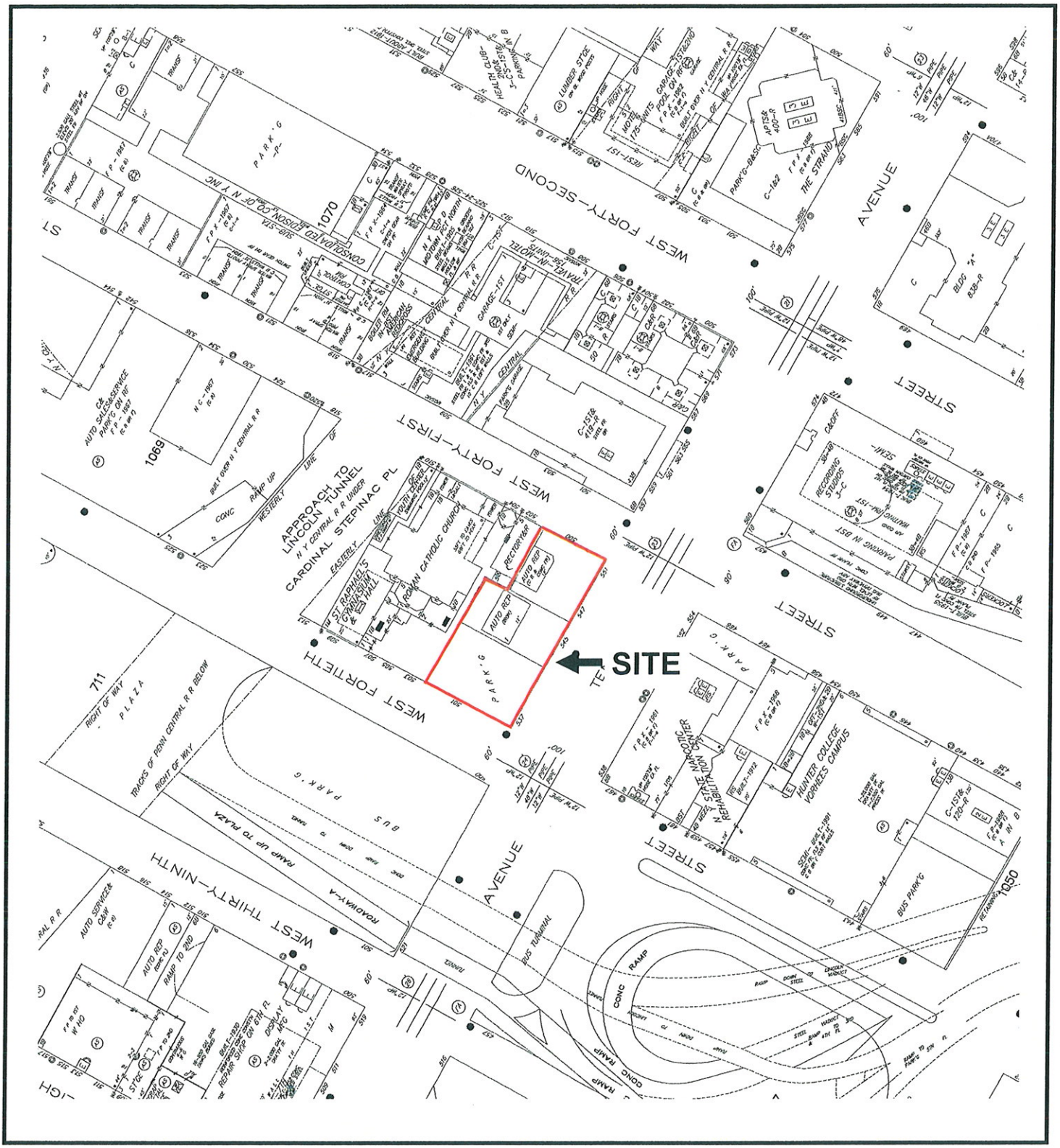
Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey



Commercial Property
547-551 Tenth Avenue
New York, New York

2003 Sanborn Map

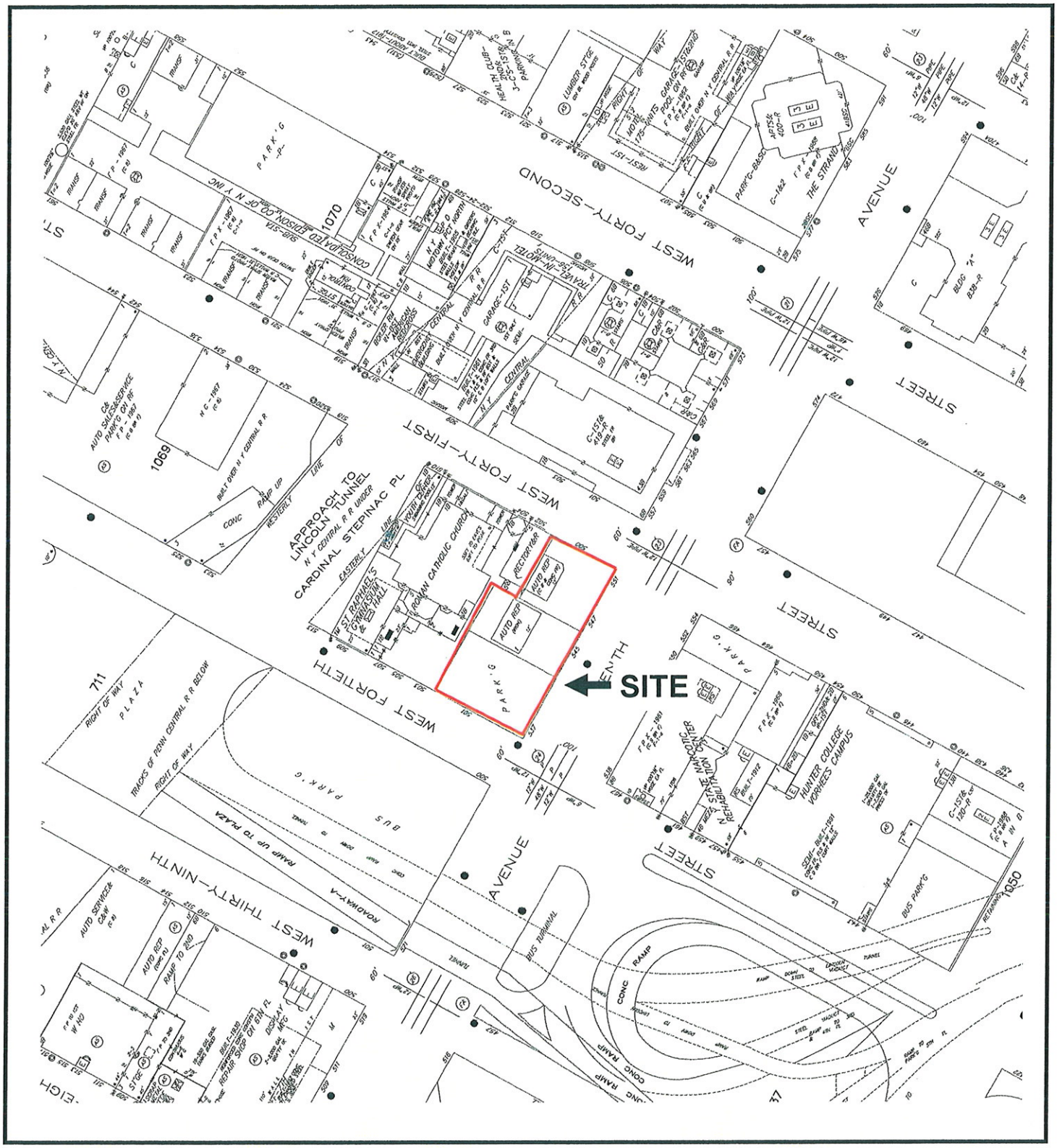
Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey



Commercial Property
547-551 Tenth Avenue
New York, New York

2004 Sanborn Map

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey



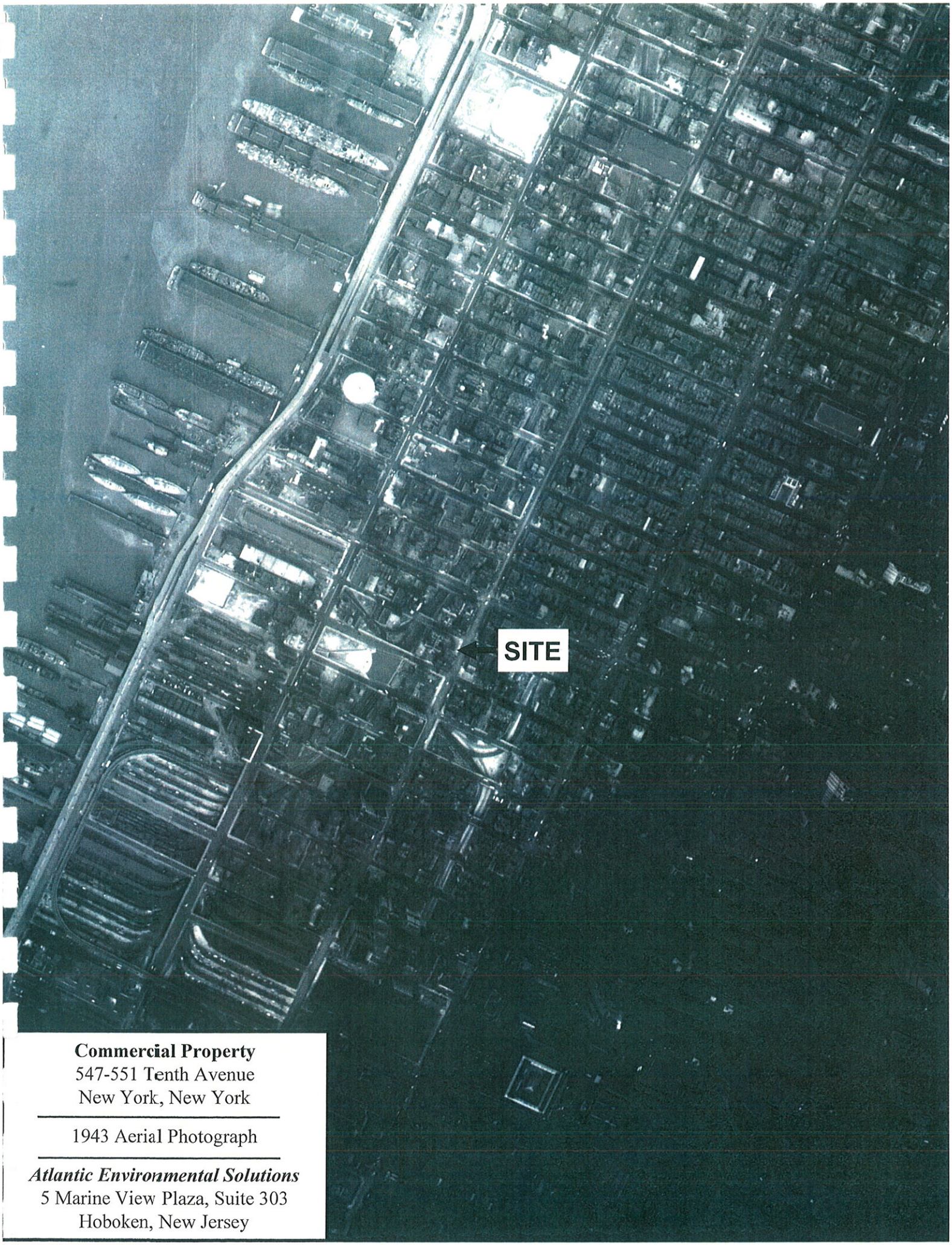
Commercial Property
547-551 Tenth Avenue
New York, New York

2005 Sanborn Map

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey

ATTACHMENT D

AERIAL PHOTOGRAPHS



Commercial Property
547-551 Tenth Avenue
New York, New York

1943 Aerial Photograph

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey

Commercial Property
547-551 Tenth Avenue
New York, New York

1953 Aerial Photograph

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey

Commercial Property
547-551 Tenth Avenue
New York, New York

1966 Aerial Photograph

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey

K-146-419

Commercial Property
547-551 Tenth Avenue
New York, New York

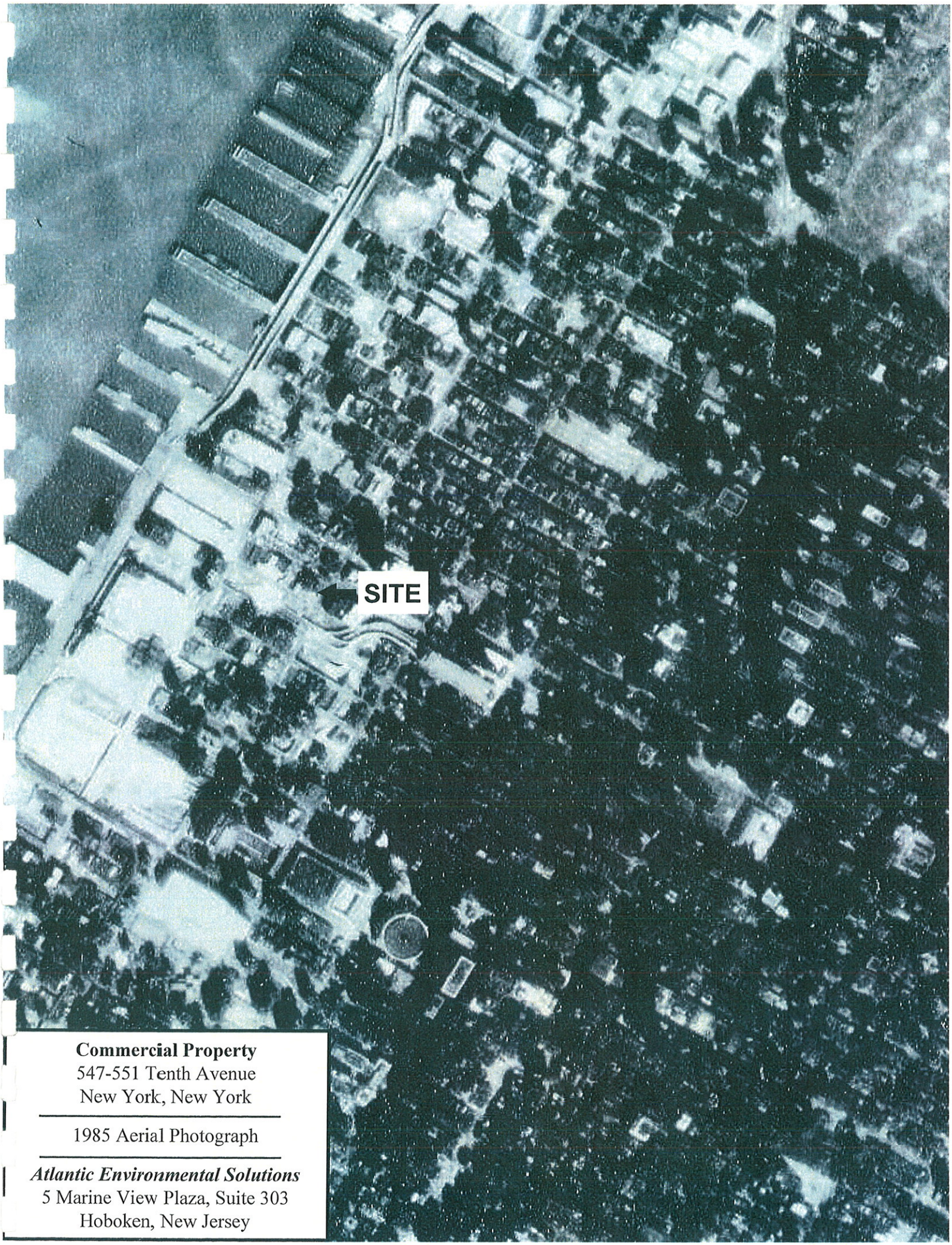
1975 Aerial Photograph

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey

Commercial Property
547-551 Tenth Avenue
New York, New York

1976 Aerial Photograph

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey



Commercial Property
547-551 Tenth Avenue
New York, New York

1985 Aerial Photograph

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey

Commercial Property
547-551 Tenth Avenue
New York, New York

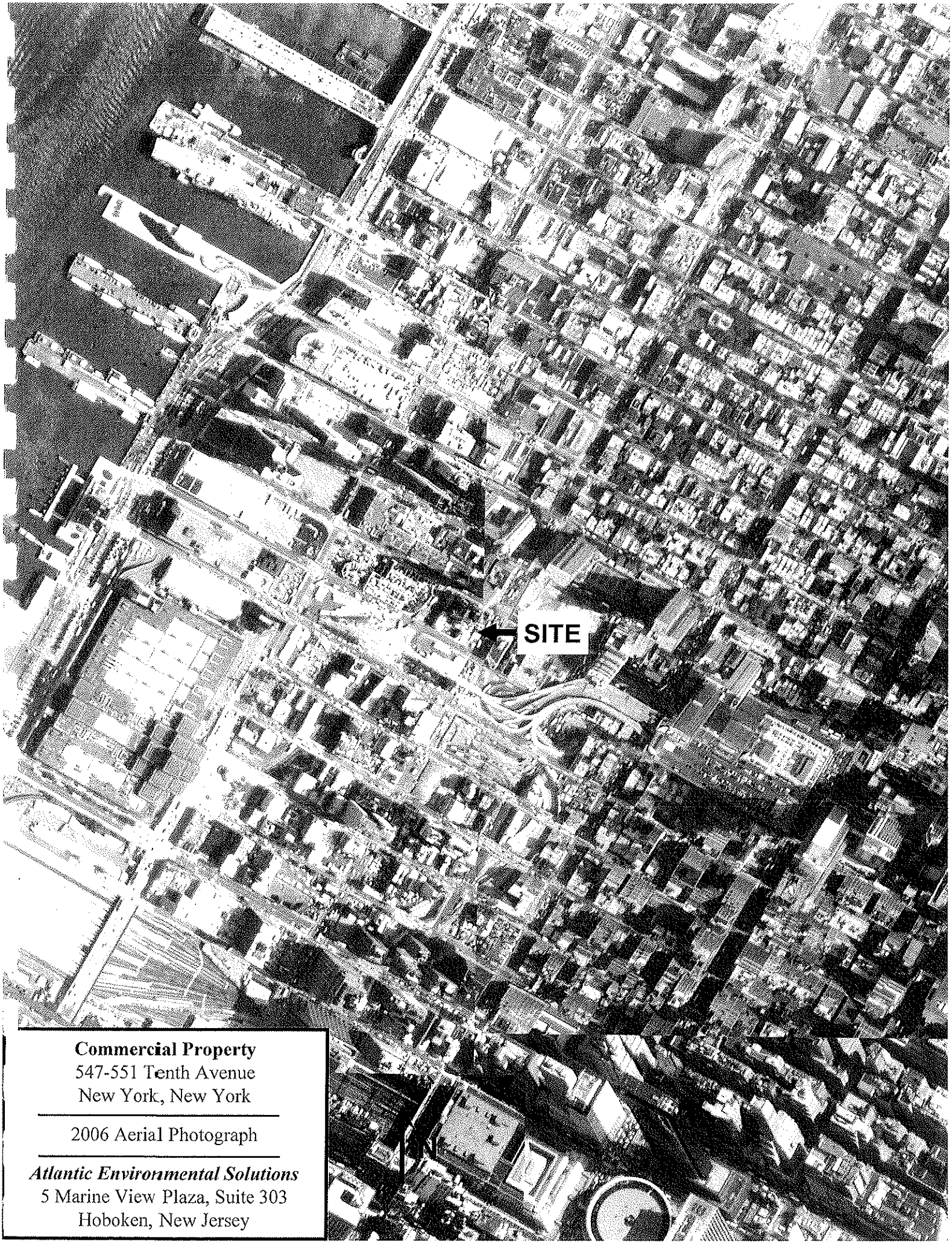
1994 Aerial Photograph

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey

Commercial Property
547-551 Tenth Avenue
New York, New York

1995 Aerial Photograph

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey



Commercial Property
547-551 Tenth Avenue
New York, New York

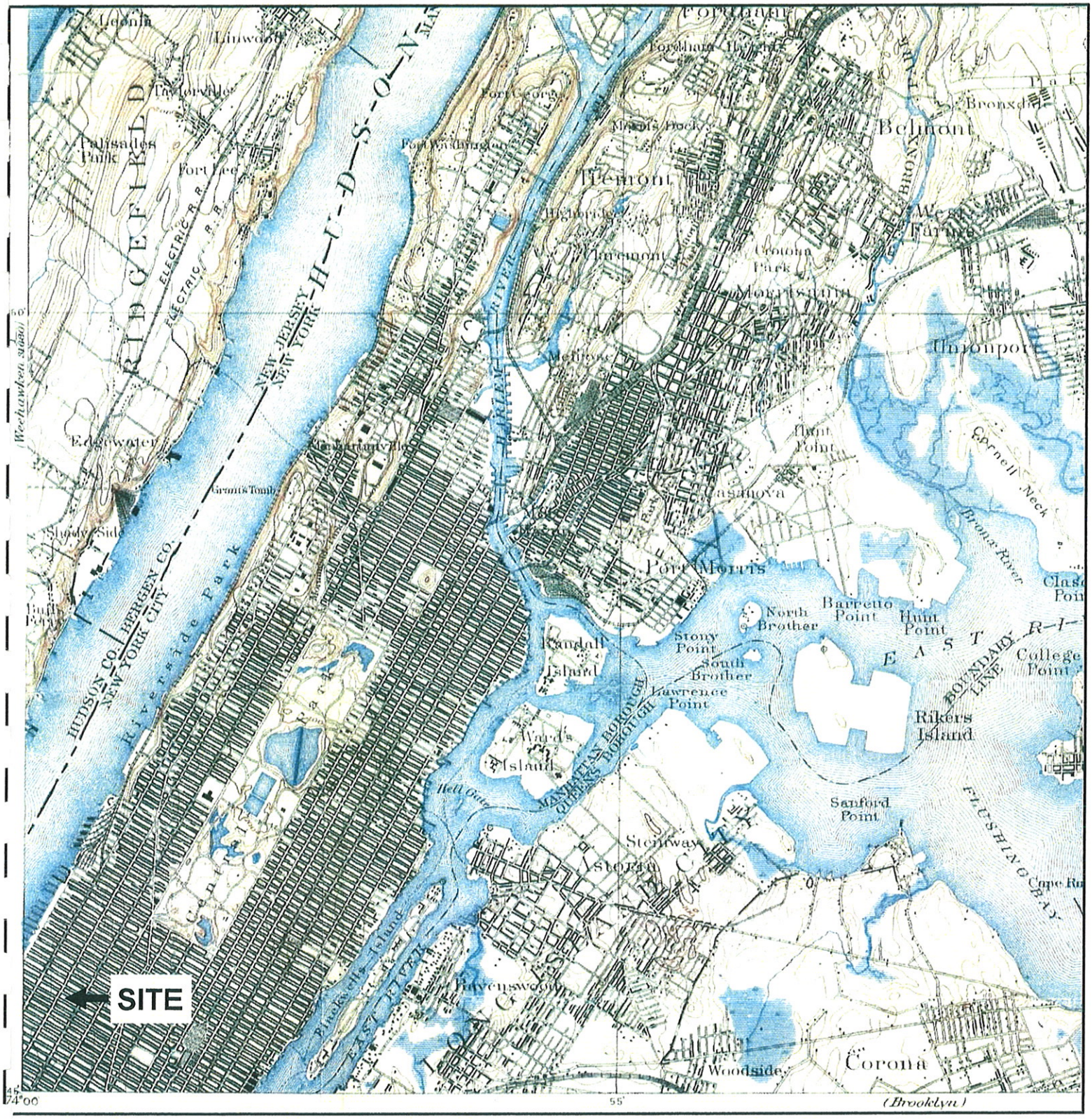
2006 Aerial Photograph

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey

ATTACHMENT E

HISTORICAL TOPOGRAPHICAL MAPS

Historical Topographic Map



Target Quad: Harlem
Series: 15
Scale: 1:62500

N

Commercial Property
547-551 Tenth Avenue
New York, New York

1897 Topographic Map

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey

Historical Topographic Map

Target Quad: Central Park
Series: 7.5
Scale: 1:25000

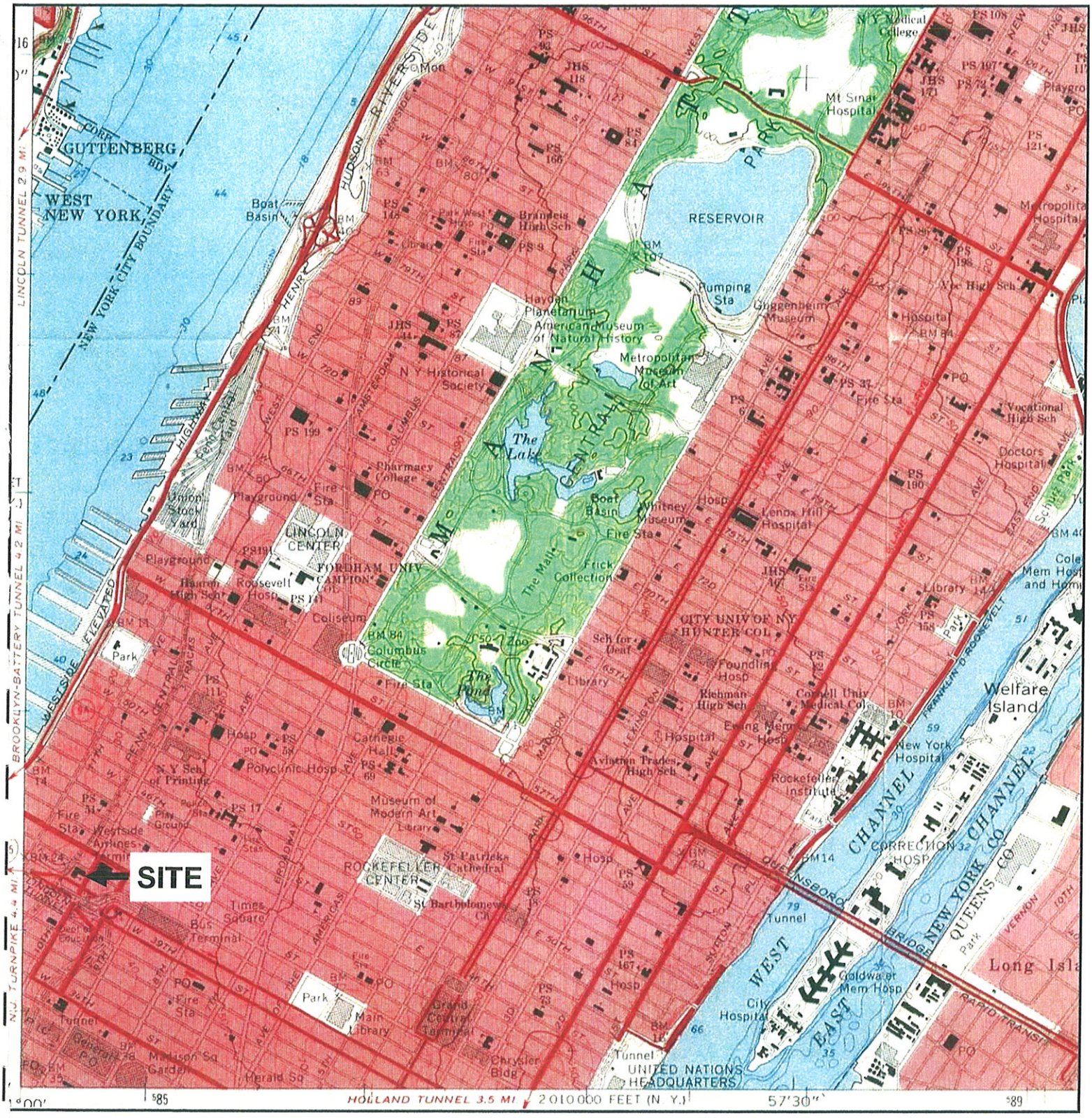
N

Commercial Property
547-551 Tenth Avenue
New York, New York

1947 Topographic Map

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey

Historical Topographic Map



Target Quad: Central Park
Series: 7.5
Scale: 1:24000

N

Commercial Property
547-551 Tenth Avenue
New York, New York

1966 Topographic Map

Atlantic Environmental Solutions
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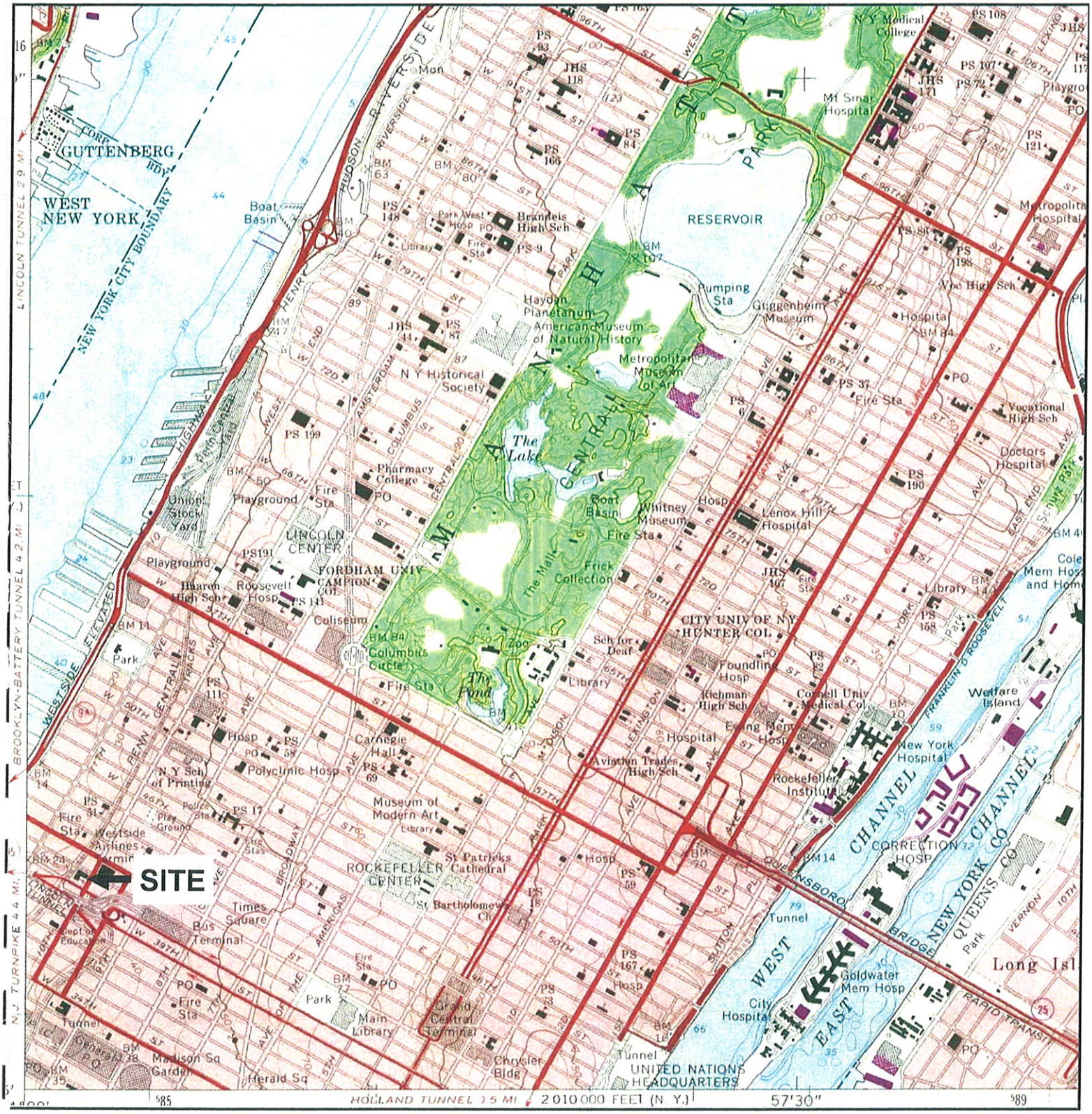
Hoboken, New Jersey

Historical Topographic Map



Target Quad: Central Park
Series: 7.5
Scale: 1:24000

N

Commercial Property
547-551 Tenth Avenue
New York, New York

1979 Topographic Map

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey

Historical Topographic Map

Target Quad: Central Park
Series: 7.5
Scale: 1:24000

N

Commercial Property
547-551 Tenth Avenue
New York, New York

1995 Topographic Map

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey

ATTACHMENT F

CITY DIRECTORY ABSTRACT

547-551 10th Avenue
547 10th Avenue
New York, NY 10018

Inquiry Number: 2798769.6
June 21, 2010

The EDR-City Directory Abstract

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

2009 Enhancements to EDR City Directory Abstract

New for 2009, the EDR City Directory Abstract has been enhanced with additional information and features. These enhancements will make your city directory research process more efficient, flexible, and insightful than ever before. The enhancements will improve the options for selecting adjoining properties, and will speed up your review of the report.

City Directory Report. Three important enhancements have been made to the EDR City Directory Abstract:

1. *Executive Summary.* The report begins with an Executive Summary that lists the sources consulted in the preparation of the report. Where available, a parcel map is also provided within the report, showing the locations of properties researched.

2. *Page Images.* Where available, the actual page source images will be included in the Appendix, so that you can review them for information that may provide additional insight. EDR has copyright permission to include these images.

3. *Findings Listed by Location.* Another useful enhancement is that findings are now grouped by address. This will significantly reduce the time you need to review your abstracts. Findings are provided under each property address, listed in reverse chronological order and referencing the source for each entry.

Options for Selecting Adjoining Properties. Ensuring that the right adjoining property addresses are searched is one of the biggest challenges that environmental professionals face when conducting city directory historical research. EDR's new enhancements make it easier for you to meet this challenge. Now, when you place an order for the EDR City Directory Abstract, you have the following choices for determining which addresses should be researched.

1. *You Select Addresses and EDR Selects Addresses.* Use the "Add Another Address" feature to specify the addresses you want researched. Your selections will be supplemented by addresses selected by EDR researchers using our established research methods. Where available, a digital map will be shown, indicating property lines overlaid on a color aerial photo and their corresponding addresses. Simply use the address list below the map to check off which properties shown on the map you want to include. You may also select other addresses using the "Add Another Address" feature at the bottom of the list.

2. *EDR Selects Addresses.* Choose this method if you want EDR's researchers to select the addresses to be researched for you, using our established research methods.

3. *You Select Addresses.* Use this method for research based solely on the addresses you select or enter into the system.

4. *Hold City Directory Research Option.* If you choose to select your own adjoining addresses, you may pause production of your EDR City Directory Abstract report until you have had a chance to look at your other EDR reports and sources. Sources for property addresses include: your Certified Sanborn Map Report may show you the location of property addresses; the new EDR Property Tax Map Report may show the location of property addresses; and your field research can supplement these sources with additional address information. To use this capability, simply click "Hold City Directory research" box under "Other Options" at the bottom of the page. Once you have determined what addresses you want researched, go to your EDR Order Status page, select the EDR City Directory Abstract, and enter the addresses and submit for production.

Questions? Contact your EDR representative at 800-352-0050. For more information about all of EDR's 2009 report and service enhancements, visit www.edrnet.com/2009enhancements

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2006. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2006	Hill-Donnelly Information Services	X	X	X	-
2000	Cole Information Services	-	-	-	-
1998	NYNEX Telephone	X	X	X	-
1996	NYNEX Telephone	-	-	-	-
1993	NYNEX Telephone	X	X	X	-
1988	NYNEX Telephone	X	-	X	-
1983	New York Telephone	X	X	X	-
1978	New York Telephone	X	X	X	-
1973	New York Telephone	X	X	X	-
1968	New York Telephone	X	X	X	-
1963	New York Telephone	X	X	X	-
1958	New York Telephone	X	X	X	-
1956	New York Telephone	X	X	X	-
1950	New York Telephone	X	X	X	-
1947	New York Telephone	X	X	X	-
1942	New York Telephone	X	X	X	-
1938	New York Telephone	X	X	X	-
1934	R. L. Polk & Co.	-	-	-	-
1931	Manhattan and Bronx Directory Publishing Company Residential Directory	X	X	X	-
1927	New York Telephone	X	X	X	-
1923	R. L. Polk & Co.	-	-	-	-
1920	R. L. Polk & Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

547 10th Avenue
New York, NY 10018

FINDINGS DETAIL

Target Property research detail.

Year	Uses	Source
2006	Call Transmission Repair 24 HR	Hill-Donnelly Information Services
	Kimns Action Autoshop Mnhttn	Hill-Donnelly Information Services
	Zyzy Auto Diagnostics Scanner	Hill-Donnelly Information Services
1998	A A A MIDTOWN AUTO GLASS	NYNEX Telephone
	AAA AUTO REPAIR	NYNEX Telephone
	AAAAA TOWING INC	NYNEX Telephone
	AMOCO AUTO REPAIRIC	NYNEX Telephone
	NYC AUTO REPAIR	NYNEX Telephone
1993	MIDTOWN AUTO GLASS INC	NYNEX Telephone
	MIDTOWN TOWING & AUTO REPAIR	NYNEX Telephone
1988	KELLY S OPERATING CORP	NYNEX Telephone
1983	WILSON SVCE STA	New York Telephone
1978	WILSON SVCE STA	New York Telephone
1973	WILSON SVCE STA	New York Telephone
1968	FORTY FIRST ST & TENTH AV SVCE STA INC	New York Telephone
1963	DRIVE IN SVCE STA	New York Telephone
1958	DRIVE IN SVCE STA	New York Telephone
1956	DRIVE IN SVCE STA	New York Telephone
1950	DRIVE IN SVCE STA	New York Telephone
1947	HARRY S SUPER SVCE STA NO 1	New York Telephone
1942	WEST SIDE SVCE STA	New York Telephone
1938	CULLY J J FLORIST	New York Telephone
1931	Backel Nicholas	Manhattan and Bronx Directory Publishing Company Residential Directory
	BANEY JOHN F	Manhattan and Bronx Directory Publishing Company Residential Directory
	BUCKLEY JEREMIAH	Manhattan and Bronx Directory Publishing Company Residential Directory

FINDINGS

Year	Uses	Source
1931	DUVALL HARRY	Manhattan and Bronx Directory Publishing Company Residential Directory
	Mc Coy Agnes	Manhattan and Bronx Directory Publishing Company Residential Directory
	Mc Coy Frank	Manhattan and Bronx Directory Publishing Company Residential Directory
	MCCOY AGNES	Manhattan and Bronx Directory Publishing Company Residential Directory
	MCCOY FRANK	Manhattan and Bronx Directory Publishing Company Residential Directory
	MULLEN MARY	Manhattan and Bronx Directory Publishing Company Residential Directory
	Quinn John J	Manhattan and Bronx Directory Publishing Company Residential Directory
	ROCKE MAX	Manhattan and Bronx Directory Publishing Company Residential Directory
	Tierney Frank	Manhattan and Bronx Directory Publishing Company Residential Directory
	TIERNEY JOS	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	BUCKLEY J D UNDTKR	New York Telephone
	Cully J J florist	New York Telephone
	Devine Catherine Miss r	New York Telephone
	Duvall Harry florist	New York Telephone
	Gridley Edmund F undtkr	New York Telephone
	SOMMA JOHN J UNDTKR	New York Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

10TH

543 10TH

Year	Uses	Source
1927	STONEHAM JOHN L ATTY	New York Telephone
	Residence	New York Telephone
	Stoneham John L atty	New York Telephone

10TH AVE

543 10TH AVE

Year	Uses	Source
1958	SPANO JOHN	New York Telephone
	DE FOE JOHN	New York Telephone
1956	SPANO JOHN	New York Telephone
1950	SPANO JOHN	New York Telephone
	GLADIATOR BARBER SIPL CO	New York Telephone
	GLADIATOR CO INC BARBR SUPL	New York Telephone
	SCHMELZ MARY	New York Telephone
	CAPATONE PRODS CO INC	New York Telephone
1947	GLADIATOR BARBER SUPL CO	New York Telephone
	GLADIATOR CO INC BARBR SUPL	New York Telephone
	CAPATONE PRODS CO INC	New York Telephone
	SCHMELZ NORMAN M	New York Telephone
1942	GLADIATOR BARBER SUPL CO	New York Telephone
	CAPATONE PIODS INC	New York Telephone
1938	CAPATONE PRODS INC	New York Telephone
	GLADIATOR BARBER SUPL CO	New York Telephone
1931	Ryan Anna	Manhattan and Bronx Directory Publishing Company Residential Directory
	Connors Jas	Manhattan and Bronx Directory Publishing Company Residential Directory
	Belfiore Dominick	Manhattan and Bronx Directory Publishing Company Residential Directory
	Bogdan Ivan	Manhattan and Bronx Directory Publishing Company Residential Directory

FINDINGS

Year	Uses	Source
1931	Hutchinson Margt	Manhattan and Bronx Directory Publishing Company Residential Directory
	Waltenberg Geo	Manhattan and Bronx Directory Publishing Company Residential Directory
	Webber Henry	Manhattan and Bronx Directory Publishing Company Residential Directory
	BELFIORE DOMINICK	Manhattan and Bronx Directory Publishing Company Residential Directory
	WEBBER HENRY	Manhattan and Bronx Directory Publishing Company Residential Directory
	WALTENBERG GEO	Manhattan and Bronx Directory Publishing Company Residential Directory
	RYAN ANNA	Manhattan and Bronx Directory Publishing Company Residential Directory
	BOGDAN IVAN	Manhattan and Bronx Directory Publishing Company Residential Directory
	CONNORS JAS	Manhattan and Bronx Directory Publishing Company Residential Directory
	HUTCHINSON MARGT	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Gladiator Barber Supply Co	New York Telephone
	GLADIATOR BARBER SUPPLY CO	New York Telephone

545 10TH AVE

Year	Uses	Source
2006	546 NO	Hill-Donnelly Information Services
1958	SALUGA STEPHEN	New York Telephone
1956	BOGDAN OLGA	New York Telephone
	SALUGA STEPHEN	New York Telephone
1950	DE LELLIS RALPH	New York Telephone
	SALUGA STEPHEN	New York Telephone
	BOGDAN OLGA	New York Telephone
	PERAGINE FRANK	New York Telephone
1947	SALUGA STEPHEN	New York Telephone
1931	Nelson Thos	Manhattan and Bronx Directory Publishing Company Residential Directory
	Lutz Chas	Manhattan and Bronx Directory Publishing Company Residential Directory
	Haden Anna	Manhattan and Bronx Directory Publishing Company Residential Directory
	Lutz Carrie	Manhattan and Bronx Directory Publishing Company Residential Directory
	Lutz Jos	Manhattan and Bronx Directory Publishing Company Residential Directory

FINDINGS

Year	Uses	Source
1931	Donnelly Danl	Manhattan and Bronx Directory Publishing Company Residential Directory
	Hayden Jas J engr Bd Transp	Manhattan and Bronx Directory Publishing Company Residential Directory
	Eckhardt Jos	Manhattan and Bronx Directory Publishing Company Residential Directory
	Mc Garvey Terrence	Manhattan and Bronx Directory Publishing Company Residential Directory
	NELSON THOS	Manhattan and Bronx Directory Publishing Company Residential Directory
	LAYER EUG	Manhattan and Bronx Directory Publishing Company Residential Directory
	LUTZ CARRIE	Manhattan and Bronx Directory Publishing Company Residential Directory
	LUTZ CHAS	Manhattan and Bronx Directory Publishing Company Residential Directory
	LUTZ JOS	Manhattan and Bronx Directory Publishing Company Residential Directory
	HADEN ANNA	Manhattan and Bronx Directory Publishing Company Residential Directory
	HAYDEN JAS J ENGR BD TRANSP	Manhattan and Bronx Directory Publishing Company Residential Directory
	ECKHARDT JOS	Manhattan and Bronx Directory Publishing Company Residential Directory
	DONNELLY DANL	Manhattan and Bronx Directory Publishing Company Residential Directory
	MCGARVEY TERRENCE	Manhattan and Bronx Directory Publishing Company Residential Directory
	Layer Eug	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	ECKHARDT GRACE J R	New York Telephone
	Eckhardt Grace J r	New York Telephone

546 10TH AVE

Year	Uses	Source
1950	FRANKOWSKA JOSEPHINE A	New York Telephone
	ANNAS THOS CONTR	New York Telephone
1947	WIECZOREK ALEXANDRA T	New York Telephone
	ANNAS THOS CONTR	New York Telephone
1942	ANSONIA-COMET SPECIALTY CO INC	New York Telephone
1938	WISCONSIN PRNTNG CORP	New York Telephone
	RIALTO LABEL & PRNTNG CO	New York Telephone
	ANSONIA LABEL & PRNTNG CO	New York Telephone
1927	MENSING FRANK GROCER	New York Telephone
	Mensing Frank grocer	New York Telephone

FINDINGS

548 10TH AVE

Year	Uses	Source
1947	K & G RADIO SVCE	New York Telephone

549 10TH AVE

Year	Uses	Source
2006	No Current Listing	Hill-Donnelly Information Services
1931	Charbonneau Jos	Manhattan and Bronx Directory Publishing Company Residential Directory
	Dowd Loretta	Manhattan and Bronx Directory Publishing Company Residential Directory
	OBrien Julia	Manhattan and Bronx Directory Publishing Company Residential Directory
	OBrien Geo J clnr P D	Manhattan and Bronx Directory Publishing Company Residential Directory
	Hackett Michl	Manhattan and Bronx Directory Publishing Company Residential Directory
	Dowd Wm	Manhattan and Bronx Directory Publishing Company Residential Directory
	Reilly Gertrude	Manhattan and Bronx Directory Publishing Company Residential Directory
	Reilly Thos	Manhattan and Bronx Directory Publishing Company Residential Directory
	Tierney John	Manhattan and Bronx Directory Publishing Company Residential Directory
	Tierney Rose	Manhattan and Bronx Directory Publishing Company Residential Directory
	Walsh Thos	Manhattan and Bronx Directory Publishing Company Residential Directory
	Walsh Thos J	Manhattan and Bronx Directory Publishing Company Residential Directory
	TIERNEY JOHN	Manhattan and Bronx Directory Publishing Company Residential Directory
	REILLY GERTRUDE	Manhattan and Bronx Directory Publishing Company Residential Directory
	O BRIEN GEO J CLNR P D	Manhattan and Bronx Directory Publishing Company Residential Directory
	REILLY THOS	Manhattan and Bronx Directory Publishing Company Residential Directory
	WALSH THOS	Manhattan and Bronx Directory Publishing Company Residential Directory
	WALSH THOS J	Manhattan and Bronx Directory Publishing Company Residential Directory
	CHARBONNEAU JOS	Manhattan and Bronx Directory Publishing Company Residential Directory
	HACKETT MICHL	Manhattan and Bronx Directory Publishing Company Residential Directory

FINDINGS

Year	Uses	Source
1931	TIERNEY ROSE	Manhattan and Bronx Directory Publishing Company Residential Directory
	DOWD LORETTA	Manhattan and Bronx Directory Publishing Company Residential Directory
	DOWD WM	Manhattan and Bronx Directory Publishing Company Residential Directory
	O BRIEN JULIA	Manhattan and Bronx Directory Publishing Company Residential Directory

550 10TH AVE

Year	Uses	Source
1968	LABOR STANDARDS DIV OF	New York Telephone
1963	CONGRESS RIVIERA MOTOR INN	New York Telephone
	CONGRESS MOTOR INN	New York Telephone
	RIVIERA CONGRESS MOTOR INN	New York Telephone
	RIVIERA MOTOR INN	New York Telephone
1942	DRYSDALE A BYCLS	New York Telephone
1938	ECKHARDT ANNA A	New York Telephone
	DRYSDALE A BYCLS	New York Telephone
1931	JOSEPH JOHANNA	Manhattan and Bronx Directory Publishing Company Residential Directory
	Reyle Jacob	Manhattan and Bronx Directory Publishing Company Residential Directory
	Joseph Johanna	Manhattan and Bronx Directory Publishing Company Residential Directory
	REYLE JACOB	Manhattan and Bronx Directory Publishing Company Residential Directory
	REYLE TILLIE	Manhattan and Bronx Directory Publishing Company Residential Directory
	Reyle Tillie	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	COHEN SADYE R	New York Telephone
	Cohen Sadye r	New York Telephone

551 10TH AVE

Year	Uses	Source
2006	Allstate Professional Auto Air	Hill-Donnelly Information Services
	h Dagan David	Hill-Donnelly Information Services
	Emergency Towing I s	Hill-Donnelly Information Services
1998	TOWING EMERGENCY 10 AV MANHATTAN	NYNEX Telephone
	MIDTOWN EMERGENCY AUTO REPAIR	NYNEX Telephone
	A 1 A TOWING INC	NYNEX Telephone

FINDINGS

Year	Uses	Source
1998	AAAAA EMERGENCY TOWING	NYNEX Telephone
	A A 96 ST TOWING INC	NYNEX Telephone
	5 STARS AUTO REPAIR	NYNEX Telephone
	TOWING EMERGENCY MANHATTAN	NYNEX Telephone
1993	MIDTOWN TOWING AND AUTO REPAIR	NYNEX Telephone
	MIDTOWN TOWING & AUTO REPAIR	NYNEX Telephone
1927	Cracovaner H dry gds	New York Telephone
	CRACOVANER H DRY GDS	New York Telephone

552 10TH AVE

Year	Uses	Source
2006	553 554 555 No Current Listing	Hill-Donnelly Information Services
1983	EASTBORO AUTO SERVICE INC	New York Telephone
	AARON ANGELO & ARNOLD AUTO SVEE INC	New York Telephone
	Aaron Angelo & Arnold Auto Svee Inc	New York Telephone
	EASTBORO AUTO SERVICE INC	New York Telephone
1978	EASTBORO AUTO SERVICE INC	New York Telephone
	SKYVIEW SVCE STA INC	New York Telephone
1973	PALMA SVCE STA	New York Telephone
	PALMADESSO JACK SVCE STA	New York Telephone
1968	LINCOLN TUNNEL SVCE STA	New York Telephone
1963	PALMADCSSO JACK SVCE STA	New York Telephone
	LINCOLN TUNNEL SVCE STA	New York Telephone
	LINCOLN TUNNEL SVCE STA	New York Telephone
1958	TNNEL SVCE STA	New York Telephone
	TUNNEL SVCE STA	New York Telephone
	PALMADESSO JACK SVCE STA	New York Telephone
1956	PALMADESSO JACK SVCE STA	New York Telephone
	LINCOLN TUNNEL SVCE STA	New York Telephone
	LINCOLN TUNNEL SVCE STA	New York Telephone
1950	PALMADESSO JACK SVCE STA	New York Telephone
	LNCOLN TUNNEL SVCE STA	New York Telephone
	CENTRAL BATRY & TIRE SVCE	New York Telephone
1947	PALMADESSO JACK SVCE STA	New York Telephone
	LINCOLN TUNNEL SVCE STA	New York Telephone
1942	TRYLON PETROLEUM CORP GAS STA	New York Telephone
1938	PENNANT PETROLEUM CORP GAS STA	New York Telephone
1927	Demlein John L r	New York Telephone

FINDINGS

Year	Uses	Source
1927	Goldstein Lewis r	New York Telephone
	Rush Thos r	New York Telephone
	Adolph Mary r	New York Telephone
	DEMLEIN JOHN L R	New York Telephone
	RUSH THOS R	New York Telephone
	GOLDSTEIN LEWIS R	New York Telephone
	ADOLPH MARY R	New York Telephone

554 10TH AVE

Year	Uses	Source
1927	ADVANCE VENDING CO	New York Telephone
	JONES H B MGR	New York Telephone
	Jones H B mgr	New York Telephone
	Advance Vending Co	New York Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
547 10th Avenue	2000, 1996, 1934, 1923, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
543 10TH	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
543 10TH AVE	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1934, 1923, 1920
545 10TH AVE	2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1942, 1938, 1934, 1923, 1920
546 10TH AVE	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1934, 1931, 1923, 1920
548 10TH AVE	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1942, 1938, 1934, 1931, 1927, 1923, 1920
549 10TH AVE	2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920
550 10TH AVE	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1958, 1956, 1950, 1947, 1934, 1923, 1920
551 10TH AVE	2000, 1996, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
552 10TH AVE	2000, 1998, 1996, 1993, 1988, 1934, 1931, 1923, 1920
554 10TH AVE	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920

ATTACHMENT G

INQUIRIES AND RESPONSES

ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

June 28, 2010

City Clerk
Jason Plaza
One Centre Street
New York, New York 10007

Re: Freedom of Information (FOI) Request
547-551 10th Avenue
Block 1069, Lot 34
New York, New York

Dear Sir or Madam:

Atlantic Environmental Solutions, Inc. (AESI) has been retained to perform an environmental assessment of the referenced property. The purpose of this letter is to request any information which may be in your files in connection with the subject properties. Please review your files for any of the following:

- Environmental violations, incidents, complaints, etc.
- Community Right to Know (RTK) Information
- Underground Storage Tank (UST) registrations, installation or removal permits
- Hazardous substance (including petroleum) discharges, leaks, spills, etc.
- Monitoring well, potable well, or other well installation records
- Industrial Site Recovery Act (ISRA) or ECRA correspondence
- Groundwater contamination reports, including Classification Exception Areas (CEAs)
- Declaration of Environmental Restrictions (DERs)
- Hazardous Substance Inventories
- Air emission permits, records
- Solid waste or sanitary waste permits, records

Thank you in advance for your help regarding this matter. In the event that there is a fee associated with obtaining this information, or if your office would rather make the file available for my review, please do not hesitate to contact me at (201) 876-9400. Our fax number is (201) 876-9563.

Sincerely,

Seamus Kelly
Project Manager

5 Marine View Plaza - Suite 303
Hoboken, NJ 07030
P (201) 876-9400 ▲ F (201) 876-9563
Toll Free (888) 876-9443

SolutionsEnvironmental.com

8700 W Bryn Mawr Ave. - Suite 800S
Chicago, IL 60631
P (773) 380-9400 ▲ F (773) 714-4910
Toll Free (888) 876-9443

ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

June 28, 2010

City Clerk, Clerk of Counsil
Executive Office
141 Worth Street
New York, New York, 10013

Re: Freedom of Information (FOI) Request
547-551 10th Avenue
Block 1069, Lot 34
New York, New York

Dear Sir or Madam:

Atlantic Environmental Solutions, Inc. (AESI) has been retained to perform an environmental assessment of the referenced property. The purpose of this letter is to request any information which may be in your files in connection with the subject properties. Please review your files for any of the following:

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- Monitoring well, potable well, or other well installation records
- Industrial Site Recovery Act (ISRA) or ECRA correspondence
- Groundwater contamination reports, including Classification Exception Areas (CEAs)
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Sincerely,

Seamus Kelly
Project Manager

5 Marine View Plaza - Suite 303
Hoboken, NJ 07030
P (201) 876-9400 ▲ F (201) 876-9563
Toll Free (888) 876-9443

SolutionsEnvironmental.com

8700 W Bryn Mawr Ave. - Suite 800S
Chicago, IL 60631
P (773) 380-9400 ▲ F (773) 714-4910
Toll Free (888) 876-9443

ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

June 28, 2010

NYC Department of City Planning
22 Reade Street, Room 2W
New York, New York 10007

Re: Freedom of Information (FOI) Request
547-551 10th Avenue
Block 1069, Lot 34
New York, New York

Dear Sir or Madam:

Atlantic Environmental Solutions, Inc. (AESI) has been retained to perform an environmental assessment of the referenced property. The purpose of this letter is to request any information which may be in your files in connection with the subject properties. Please review your files for any of the following:

- Environmental violations, incidents, complaints, etc.
- Community Right to Know (RTK) Information
- Underground Storage Tank (UST) registrations, installation or removal permits
- Hazardous substance (including petroleum) discharges, leaks, spills, etc.
- Monitoring well, potable well, or other well installation records
- Industrial Site Recovery Act (ISRA) or ECRA correspondence
- Groundwater contamination reports, including Classification Exception Areas (CEAs)
- Declaration of Environmental Restrictions (DERs)
- Hazardous Substance Inventories
- Air emission permits, records
- Solid waste or sanitary waste permits, records

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Sincerely,

Seamus Kelly
Project Manager

5 Marine View Plaza - Suite 303
Hoboken, NJ 07030
P (201) 876-9400 ▲ F (201) 876-9563
Toll Free (888) 876-9443

SolutionsEnvironmental.com

8700 W Bryn Mawr Ave. - Suite 800S
Chicago, IL 60631
P (773) 380-9400 ▲ F (773) 714-4910
Toll Free (888) 876-9443

ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

June 28, 2010

New York City Fire Dept.
Historical Records
Librarian, Mand Library, Fire Lt.
Mand Library
Randall's Island, New York 10035

Re: Freedom of Information (FOI) Request
547-551 10th Avenue
Block 1069, Lot 34
New York, New York

Dear Sir or Madam:

Atlantic Environmental Solutions, Inc. (AESI) has been retained to perform an environmental assessment of the above referenced property. The purpose of this letter is to request any information which may be in your files in connection with the subject properties. Please review your files for any of the following:

- Previous Fire Incidences
- Underground Storage Tank (UST) registration records, installation/removal permits, etc.
- Community Right to Know Information, Hazardous Substance Inventories
- Septic system records
- Hazardous Waste Manifests and disposal documentation
- Groundwater or soil sample analyses data

Thank you in advance for your help regarding this matter. In the event that there is a fee associated with obtaining this information, or if your office would rather make the file available for my review, please do not hesitate to contact me at (201) 876-9400. Our fax number is (201) 876-9563.

Sincerely,

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Toll Free (888) 876-9443

SolutionsEnvironmental.com

8700 W Bryn Mawr Ave. - Suite 800S
Chicago, IL 60631
P (773) 380-9400 ▲ F (773) 714-4910
Toll Free (888) 876-9443

ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

June 28, 2010

NYC Department of Buildings
Manhattan Borough Office
280 Broadway, 2nd Floor
New York, New York 10007

Re: Freedom of Information (FOI) Request
547-551 10th Avenue
Block 1069, Lot 34
New York, New York

Dear Sir or Madam:

Atlantic Environmental Solutions, Inc. (AESI) has been retained to perform an environmental assessment of the referenced property. The purpose of this letter is to request any information which may be in your files in connection with the subject properties. Please review your files for any of the following:

- Environmental violations, incidents, complaints, etc.
- Community Right to Know (RTK) Information
- Underground Storage Tank (UST) registrations, installation or removal permits
- Hazardous substance (including petroleum) discharges, leaks, spills, etc.
- Monitoring well, potable well, or other well installation records
- Industrial Site Recovery Act (ISRA) or ECRA correspondence
- Groundwater contamination reports, including Classification Exception Areas (CEAs)
- Declaration of Environmental Restrictions (DERs)
- Hazardous Substance Inventories
- Air emission permits, records
- Solid waste or sanitary waste permits, records

Thank you in advance for your help regarding this matter. In the event that there is a fee associated with obtaining this information, or if your office would rather make the file available for my review, please do not hesitate to call me at (201) 876-9400. Our fax number is (201) 876-9563.

Sincerely,

Seamus Kelly
Project Manager

5 Marine View Plaza - Suite 303
Hoboken, NJ 07030
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Toll Free (888) 876-9443

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ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

June 28, 2010

NYC Department of Health
Records Access Office
225 Broadway, 23rd Floor
New York, New York 10007

Re: Freedom of Information (FOI) Request
547-551 10th Avenue
Block 1069, Lot 34
New York, New York

Dear Sir or Madam:

Atlantic Environmental Solutions, Inc. (AESI) has been retained to perform an environmental assessment of the referenced properties. The purpose of this letter is to request any information which may be in your files in connection with the subject properties. Please review your files for any of the following:

- Environmental or Health related violations, incidents, complaints, etc.
- Community Right to Know (RTK) Information
- Underground Storage Tank (UST) registration records, installation/removal permits, etc.
- Hazardous substance (including petroleum) inventories, discharges, leaks, spills, etc.
- Monitoring well, potable well, or other well installation records
- Industrial Site Recovery Act (ISRA) or ECRA correspondence
- Groundwater contamination reports, including Classification Exception Areas (CEAs)
- Declaration of Environmental Restrictions (DERs)
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- Solid waste or sanitary waste permits, records

Thank you in advance for your help regarding this matter. In the event that there is a fee associated with obtaining this information, or if your office would rather make the file available for my review, please do not hesitate to call me at (201) 876-9400. Our fax number is (201) 876-9563.

Sincerely,

Seamus Kelly
Project Manager

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Hoboken, NJ 07030
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ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

June 28, 2010

NYDEC, Region 2
FOIL Coordinator
1 Hunter's Point Plaza
47-40 21st Street
Long Island City, NY 1101-5407

Re: Freedom of Information (FOI) Request
547-551 10th Avenue
Block 1069, Lot 34
New York, New York

Dear Sir or Madam:

Atlantic Environmental Solutions, Inc. (AESI) has been retained to perform an environmental assessment of the referenced property. The purpose of this letter is to request any information which may be in your files in connection with the subject property. Please review your files for any of the following:

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- Air emission permits, records
- Solid waste or sanitary waste permits, records
- Discharge case numbers
- NYSDEC permits

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Sincerely,

Seamus Kelly
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ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

June 28, 2010

NYS Department of Environmental Conservation
Records Access Officer
625 Broadway
Albany, New York 122333-1500

Re: Freedom of Information (FOI) Request
547-551 10th Avenue
Block 1069, Lot 34
New York, New York

Dear Sir or Madam:

Atlantic Environmental Solutions, Inc. (AESI) has been retained to perform an environmental assessment of the referenced property. The purpose of this letter is to request any information which may be in your files in connection with the subject property. Please review your files for any of the following:

- Environmental violations, incidents, complaints, etc.
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Sincerely,

Seamus Kelly
Project Manager

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ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

June 28, 2010

FOIL Record Access Office
Department of Environmental Protection
59-17 Junction Boulevard, 13th Floor
Flushing, New York 11373

Re: Freedom of Information (FOI) Request
547-551 10th Avenue
Block 1069, Lot 34
New York, New York

Dear Sir or Madam:

Atlantic Environmental Solutions, Inc. (AESI) has been retained to perform an environmental assessment of the referenced property. The purpose of this letter is to request any information which may be in your files in connection with the subject property. Please review your files for any of the following:

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Sincerely,

Seamus Kelly

Project Manager

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ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

June 28, 2010

New York City Department of Finance
Records Access Officer
PO Box 3120
Church Street Station
New York, New York 10008

Re: Freedom of Information (FOI) Request
547-551 10th Avenue
Block 1069, Lot 34
New York, New York

Dear Sir or Madam:

Atlantic Environmental Solutions, Inc. (AESI) has been retained to perform an environmental assessment of the above referenced property. The purpose of this letter is to request any information which may be in your files in connection with the subject properties. Please review your files for any of the following:

- Copy of the Subject Property Tax Map
- History of Building Construction, Previous Owners and Operators
- Underground Storage Tank (UST) registrations, installation or removal permits
- Hazardous substance (including petroleum) discharges, leaks, spills, etc.

Thank you in advance for your help regarding this matter. In the event that there is a fee associated with obtaining this information, or if your office would rather make the file available for my review, please do not hesitate to contact me at (201) 876-9400. Our fax number is (201) 876-9563.

Sincerely,

Seamus Kelly
Project Manager

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ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

June 28, 2010

New York City Department of Finance
Correspondence Unit
66 John Street, 3rd Floor
New York, New York, 10038

Re: Freedom of Information (FOI) Request
547-551 10th Avenue
Block 1069, Lot 34
New York, New York

Dear Sir or Madam:

Atlantic Environmental Solutions, Inc. (AESI) has been retained to perform an environmental assessment of the above referenced property. The purpose of this letter is to request any information which may be in your files in connection with the subject properties. Please review your files for any of the following:

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Sincerely,

Seamus Kelly
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NYSDEC SPILL REPORT FORM

DEC REGION: 2 **SPILL NUMBER:** 9503865

SPILL NAME: 547 10TH AVENUE **DEC LEAD:** hrpatel

SPILL DATE: 06/29/1995 **SPILL TIME:** 10:50 am

CALL RECEIVED DATE: 06/29/1995 **RECEIVED TIME:** 10:50 am

SPILL LOCATION

PLACE: 547 10TH AVENUE **COUNTY:** New York

STREET: 547 10TH AVENUE **TOWN/CITY:** New York City

COMMUNITY: MANHATTAN

CONTACT: **CONTACT PHONE:**

CONT. FACTOR: Equipment Failure **SPILL REPORTED BY:** Other

FACILITY TYPE: Gasoline Station **WATERBODY:**

CALLER REMARKS:

CALLER COMPANY REMOVING TANKS - OLD GAS STATION - CALLER FOUND CONTAMINATION ON A PID METER - REQ. DEC TO CALL 516/864-1772.

ATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
Gasoline	Petroleum	-1 G	0 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
NKNOWN	NY	

ank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

rior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
2/04-Vought-Spill transferred from Mulqueen to Rommel as per Rommel.

ransferred to C.O. - no action taken

ill transferred back to Region 2

/10/08 - Austin - Spill assigned to Patel for followup - end

/13/08-Hiralkumar Patel.

lternate addresses: 500 W 41st St, 543-551 10th Ave

knowledge of PBS record or any other spills at the site. <---------

m propertyshark, property owner is:

eated On: 08/01/1995

ate Printed: 7/19/2010 Last Updated: 06/29/2010

10:20 AM:- left message for Julia Bicho in management office as Mr. Lichtman is no longer working with management. asked Ms. Bicho to call back by the end of 08/07/09 or else case will be referred to legal.

:32 AM:- received message from Benjamin O'Sickey.
12:38 PM:- spoke with Mr. O'Sickey, current property manager. he asked to send copy of previous letter to him and his boss s. Bicho.

Sol Goldman Investments, LLC. **property owner**
c/o Solil Management Corp. **management office**
0 5th Ave, 3rd Floor
ew York, NY 10019
contact: Benjamin O'Sickey **property manager**
. (212) 265-2280
(212) 506-0425
(646) 391-6468 (C)
email: bejamino@solil.com

Julia Bicho **Mr. O'Sickey's supervisor**
lil Management Corp.
ail: juliab@solil.com

12:49 PM:- sent email to Ms. Bicho and Mr. O'Sickey with copy of letter dated 09/19/08. asked Ms. Bicho to submit required cuments by the end of 09/30/09.
.37 PM:- received call from Ms. Bicho. she mentioned that city government did some soil investigation before they rent this site and Ms. Bicho will try to get that report. mentioned to her that if investigation report from city agency shows no contamination in evious tank area, then case may be closed. otherwise they have to conduct phase I and phase II investigation. Mr. Bicho will l back by end of 08/14/09.

09/24/09-Hiralkumar Patel.
7
..1:- left message for Ms. Bicho.

10/01/09-Hiralkumar Patel.
1 PM:- spoke with Ms. Bicho. she mentioned that they forwarded documents to their attorney and will ask them to submit to the department.

11/17/09-Hiralkumar Patel.
1..01 PM:- left message for Mr. O'Sickey to respond by end of 12/18/09.

12/18/09-Hiralkumar Patel.
2 AM:- received message from Joe ??? from Sol Goldman.

Joe
. (212) 506-0417

12/21/09-Hiralkumar Patel.
8 AM:- left message for Joe.

05/17/10-Hiralkumar Patel.
3:30 PM:- spoke with Maria at Solil Management. she mentioned that site has been leased to another party and she asked to ntact Ms. Shen.

3:36 PM:- left message for Mr. Nitu.

rin Nitu **new property manager**

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
One Hunters Point Plaza
47-40 21st Street, Long Island City, 11101
Phone: (718) 482-7366 • **Fax:** (718) 482-4098 • **Website:** www.dec.ny.gov

Alexander B. Grannis
Commissioner

May 17, 2010

Sol Goldman Investments, LLC.
c/o Solil Management Corporation
640 5th Ave, 3rd Floor
New York, NY 10019
Attn.: Sorin Nitu

Re.: Spill at 547 10th Avenue
Manhattan, NY
Spill Case #: 9503865

Dear Mr. Nitu,

On 06/29/1995, the New York State Department of Environmental Conservation (the Department) was notified that petroleum contaminated soil was discovered at the above referenced site. On 09/19/2008, the Department sent a letter requiring submission of a Phase I and a soil/groundwater investigation report (letter attached). As of today, the Department has not received these reports.

If the Department does not receive required documents by July 02, 2010, the case will be referred to the NYSDEC Region 2 Office of General Counsel.

The Department holds the responsible party liable for addressing any on- or off-site contamination associated with this spill case. Under the New York State Environmental Conservation Law (ECL) and/or the New York State Navigation Law (NL), any person who discharges petroleum and fails to promptly clean up such prohibited discharge may be subject to a penalty of up to $37,500 per day per violation.

If you have any question, please call me at (718) 482-7366.

Sincerely,

/Patel

Hiralkumar Patel
Environmental Engineer 1
Spill Prevention & Response Programs

cc: Dena Linn Chen, Hudson Yard Development Corp.

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
Spill Prevention and Response Programs
47-40 21ST Street, Long Island City, NY 11101-5407
Phone: (718) 482-7366 • **FAX:** (718) 482-4098 • **Website:** www.dec.ny.gov

Alexander B. Grannis
Commissioner

September 19, 2008

Sol Goldman Investments, LLC.
c/o Solil Management Corp.
640 5th Ave, 3rd Floor
New York, NY 10019
Attn.: Ronald Lichtman

Re.: Spill at 547 10th Avenue
Manhattan, NY
Spill Case #: 9503865

Project Manager: Hiralkumar Patel

Dear Mr. Lichtman,

On 06/29/1995, the New York State Department of Environmental Conservation (the Department) was notified that petroleum contaminated soil was discovered, during removal of underground gasoline storage tanks, at the above referenced site.

To rectify this problem, the Department requires the following:

1. *Submission of a Phase I:*
The Department requires submission of a Phase I, according to DER-10 (Technical Guidance for Site Investigation and Remediation, available at http://www.dec.ny.gov/regulations/2393.html) Appendix 3A.

2. *Delineation of Soil Contamination:*
The Department requires that soil contamination be completely delineated via the collection of soil samples and groundwater samples. As part of the complete horizontal and vertical delineation requirement, soil will initially be sampled continuously with a PID around previous tank systems including remote fill ports, piping and dispenser islands. At a minimum, soil must be sampled to a depth of ten feet below the previous tank invert. *The deepest dry soil sample and the sample with the highest PID reading* will be sent to a NYSDOH certified laboratory for EPA Method 8260/8270 analyses and the results will be sent to the Department. *If no elevated PID readings are found then the **two** deepest dry soil samples* will be submitted for analyses. A water sample will be obtained at the boring location and submitted for EPA Method 8260/8270 analyses. Prior to installation, all utilities will be located and marked out. Additional borings/monitoring wells may be necessary based upon review of the investigation report.

If contaminated groundwater is discovered, then the Department will require the following:

1. *Delineation of Soil and Groundwater Contamination via Installation of Monitoring Wells:*
The Department requires complete delineation of groundwater contamination via installation of monitoring wells. As per DER-10 (Technical Guidance for Site Investigation and Remediation), available at http://www.dec.ny.gov/regulations/2393.html, 3.7.2 (b) 4.i: "A minimum of three groundwater monitoring wells or piezometers are required in each affected aquifer or water bearing

zone to determine the groundwater flow direction in that zone. The monitoring wells or piezometers must be properly installed and surveyed relative to a permanent surface structure to provide for adequate triangulation." During installation of the monitoring wells, soil will be sampled continuously with a PID. *The deepest dry soil sample and the sample with the highest PID reading* will be sent to a NYSDOH certified laboratory for EPA Method 8260/8270 analyses and the results will be sent to the Department. *If no elevated PID readings are found then the two deepest dry soil samples* will be submitted for analyses. Water samples will be analyzed for EPA Method 8260/8270 analyses. Prior to installation, all utilities will be located and marked out. Additional borings/monitoring wells may be necessary based upon review of the investigation report.

An investigation report must be submitted to the Department including: scaled site plan with sampling locations, boring logs, well installation logs (if applicable), sample analyticals, site observations, conclusions and recommendations. The report must be **submitted to this office no later than two months from the date of this letter**. It should be sent to my attention, referencing the spill case number and the site address. A remedial action plan may be required based on the results of the investigation.

The Department holds the responsible party liable for addressing any on- or off-site contamination associated with this spill case. Under the New York State Environmental Conservation Law (ECL) and/or the New York State Navigation Law (NL), any person who discharges petroleum and fails to promptly clean up such prohibited discharge may be subject to a penalty of up to $37,500 per day per violation.

If you have any questions, please call me at (718) 482-7366.

Sincerely,

Hiralkumar Patel
Environmental Engineer 1
Spill Prevention & Response Programs

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
Spill Prevention and Response Programs
47-40 21ST Street, Long Island City, NY 11101-5407
Phone: (718) 482-7366 • **FAX:** (718) 482-4098 • **Website:** www.dec.state.ny.us

Alexander B. Grannis
Commissioner

August 14, 2008

Sol Goldman Investments, LLC.
c/o Solil Management Corp.
640 5th Ave, 3rd Floor
New York, NY 10019
Attn.: Ronald Lichtman

Re.: Spill at 547 10th Avenue
Manhattan, NY
Spill Case #: 9503865

Project Manager: Hiralkumar Patel

Dear Mr. Lichtman,

On 06/29/1995 the New York State Department of Environmental Conservation (the Department) was notified that petroleum contaminated soil was discovered, during removal of underground gasoline storage tanks, at the above referenced site. This is a violation of Article 12 of the New York State Navigation Law (NL) Section 173 and according to Section 176 you are required to contain and "promptly clean up and remove the discharge." As of today, the Department has not received any subsequent information regarding actions taken at this property to address this violation. Therefore, this case will remain open in our database until the Department receives sufficient information to ascertain that the discharge has been cleaned up.

To rectify this problem, a letter report asserting a cause of the release and summarizing the cleanup activities, observations, post-excavation sampling results, and also including contaminated material disposal manifests or any other documentation (i.e. invoices, bills, etc.) of cleanup activities must be **submitted to this office no later than one month from the date of this letter**. It should be sent to my attention, referencing the spill case number and the site address.

The Department holds the responsible party liable for addressing any on- or off-site contamination associated with this spill case. Under the New York State Environmental Conservation Law (ECL) and/or the New York State Navigation Law (NL), any person who discharges petroleum and fails to promptly clean up such prohibited discharge may be subject to a penalty of up to $37,500 per day per violation.

Sincerely,

/Rates

Hiralkumar Patel
Environmental Engineer 1
Spill Prevention & Response Programs

Appendix 3A
Records Search Requirements

(a) The first phase of a site characterization should be a records search based on diligent inquiry. A phase I report, prepared prior to a site entering one of the DER remedial programs identified in section 1.2, may be provided in lieu of a records search report, provided it was prepared in accordance with applicable ASTM guidance for preparation of Phase 1 reports. A records search report should include the following:

1. Historical information concerning the site history should be part of the site assessment. Historical information is not required if the investigation is directed at either a specific discharge event (rather than a particular area of concern) or any underground tank or underground tank system unless directed by the DEC. The site history should include an evaluation of the following to the extent available from diligent inquiry:

i. site history information from sources including, but not limited to, the following:

(1) Sanborn Fire Insurance Maps;
(2) MacRae's Industrial Directory;
(3) title and deed;
(4) site plans and facility as-built drawings;
(5) federal, State, county and local government offices; and
(6) DEC Geographic Information System;
(7) adjacent property uses

ii. the industrial/commercial site history from the time the site was naturally vegetated or utilized as farmland, including without limitation:

(1) names of all owners and operators;
(2) dates of ownership of each owner;
(3) dates of operation of each operator; and
(4) brief descriptions of the past industrial/commercial usage of the site by each owner and operator;

iii. all raw materials, finished products, formulations and hazardous substances, hazardous wastes, and petroleum products which are or were present on the site, including intermediates and by-products;

iv. present and past production processes, including dates, and their respective water use should be identified and evaluated, including ultimate and potential discharge and disposal points and how and where materials are or were received onsite (for example, rail, truck);

v. all former and current containers, container or bulk storage areas, above and below ground tanks, above and below ground waste and product delivery lines, surface impoundments, landfills, septic systems and other structures, vessels, conveyances or units that contain or previously contained hazardous substances, hazardous waste, and petroleum products, including:

(1) type;
(2) age;
(3) dimension of each container;
(4) location;
(5) chemical content;
(6) integrity (for example, tank test reports);
(7) volume;
(8) construction materials; and
(9) inventory control records to include records of leak detection system inspections, where there is no discharge history;

vi. an interpretation of the aerial photographic history of the site, based on available current and historical color, black and white and infrared aerial photographs (scale 1:17.,000 or less) of the site and surrounding area at a frequency which provides the evaluator with a historical perspective of site activities. The photographic history should date back to 1932 or to the earliest photograph available.

vii. any data or information concerning known discharges that have occurred on the site;

viii. remediation activities previously conducted or currently underway at the site including dates of previous discharges, remedial actions, and all existing sampling data concerning contaminants at the site. If a government agency was involved, the name of the lead government agency, case identification number, and current case status;

ix. all remedies previously approved by the DEC in a remedial action work plan or decision document to determine if the remedy remains protective of human health and the environment;

x. all existing environmental sampling data concerning contaminants at the site;

xi. any known changes in site conditions or new information developed since completion of previous sampling or remediation;

xii. all Federal, State and local environmental permits including permits for all previous and current owners or operators, applied for or received, or both, for the site including the:

(1) name and address of permitting agency;
(2) reason for the permit;
(3) permit identification number;
(4) application date;
(5) date of approval, denial, or status of application;
(6) name and current address of all permittees;
(7) reason for denial, revocation or suspension if applicable; and
(8) permit expiration date;

xiii. all administrative, civil and criminal enforcement actions for alleged violations of environmental laws concerning the site, including:

(1) the name and address of agency that initiated the enforcement action;
(2) the date of the enforcement action;
(3) the section of statute, rule or permit allegedly violated;
(4) the type of enforcement action;
(5) a description of alleged violations;
(6) the resolution or status of violation and enforcement action; and
(7) a description of any potential environmental impact which may have resulted from the alleged violation; and

xiv. all areas where non-indigenous fill materials were used to replace soil or raise the topographic elevation of the site, including the dates of emplacement, where reasonably available, paying particular attention to potential areas of concern as identified in section 1.7.

2. The person conducting the records search should conduct a site visit to verify the findings in paragraph (c)1 above. Where site conditions are not already well known, appropriate monitoring instruments such as Organic Vapor Analyers (Photo Ionization Detectors, explosimeters), oxygen detectors and radiation detectors should be used to assure personal safety and assist with site characterization.

3. Interviews are to be utilized, where appropriate, taking into consideration the following factors relative to who to interview, how and when they should be conducted:

i. interviews with facility personnel (past and present), adjoining property owners, and persons familiar with past activities at the site can be useful in determining if and where hazardous waste/substances, or petroleum products were disposed of at the site and what exposure pathways are likely to be at risk. Information obtained during the interview process can supplement other means used in the investigation. However, if the information is crucial to the determination that hazardous waste/substances or petroleum products were disposed of at the site, the documentation outlined in 3.iv (below) is required;

ii. interviews may be conducted in person, by telephone, email or post;

iii. interviews may be conducted prior to, during or after the site reconnaissance, as convenient to the project manager;

iv. interviews must be documented with the date and signature of the person granting the interview. At the end of the interview the person should read and be asked then and there to sign and date the transcript. In cases where a telephone interview was conducted, the project manager should determine during that conversation if the person is willing to sign his/her statements. If so, the project manager will send a transcript to that person for signature thus verifying the conversation. In the case where the person interviewed is unwilling to sign a transcript, or the consultant, after making a reasonable effort (mailing a transcript with a follow-up letter requesting the return), is unable to obtain the person's signature on the transcript, then this statement should not be used or referenced in the report. The person's name, however should be listed in the references section of the report as being contacted during the investigation;

v. areas of inquiry should include the following:

(1) any pending or past litigation or administrative proceedings regarding hazardous waste/substances or petroleum products on the site;

(2) any notices from any government agency regarding any possible violation of environmental or safety laws;

(3) previous environmental assessments or audits;

(4) environmental permits or registrations;

(5) safety plans, prevention plans, control plans; and

(6) reports describing local hydrogeologic conditions;

vi. people to interview should include:

(1) pertinent DEC and DOH staff;

(2) past owners, occupants and operators, key managers, former employees;

(3) site neighbors; and

(4) local officials, such as elected officials, attorneys, building inspectors; zoning board, planning board, as well as any fire police, health, engineering and environmental DECs; and

vii. evaluation of interview responses should include the following factors:

(1) degree of specificity;

(2) degree of interviewee's knowledge;

(3) degree of interviewee's good faith;

(4) completeness;

(5) documentation; and

(6) corroboration.

(b) The records search report is prepared in accordance with section 3.12.

Environmental Protection

Date: 7/19/10

Seamus Kelly
Atlantic Environmental Solutions, Inc.
5 Marine View Plaza - Suite 303
Hoboken, New Jersey 07030

Caswell F. Holloway
Commissioner

)-17 Junction Boulevard
.ushing, NY 11373

Carter H. Strickland Jr.
Deputy Commissioner for
stainability

Michael Gilsenan
sistant Commissioner
vironmental Compliance

Radhakrishnan P.E.
rector
Asbestos Control Program
718.595.3721

Re: 547-551-10th Avenue
New York, New York

Dear Seamus Kelly

In response to your Freedom of Information Law request, dated 7/1/10
The Asbestos Control Program has searched its files and has no records for the above mentioned premise.

If you have any further questions, please contact me at 718-595-3677

Sincerely,

Paul Lee for
Josianne Dieudonne

NYC Environmental Protection

Caswell F. Holloway
Commissioner

Robin Levine
General Counsel
RobinL@dep.nyc.gov

Records Access Officer

59-17 Junction Boulevard
Flushing, NY 11373

(718) 595-3448 tel
(718) 595-6543 fax

July 2, 2010

Seamus Kelly
Atlantic Environmental Solutions, Inc.
5 Marine View Plaza Suite 303
Hoboken, NJ 07030

Dear Seamus Kelly:

Re: 547-551 10 Avenue, New York

We hereby acknowledge receipt of your **Freedom of Information Law** request dated June 28, 2010.

Your request is important to us and will be handled as expeditiously as possible. You are advised, however, that because of the large increase in the volume of such requests your response may be delayed.

If you have any questions, please call Brenda Farren, Records Access Officer, at (718) 595-3448. Please refer to the ***FOIL log number(s)*** listed below when calling.

Sincerely,

Brenda Farren

Brenda Farren

FOIL log #(s) 59380, 59381, 59382, 59383

Environmental Protection

Caswell F. Holloway
Commissioner

Kevin T. McBride
Deputy Commissioner
Bureau of Police & Security
kmcbride@dep.nyc.gov

59-17 Junction Boulevard
Flushing, NY 11373
T: (718) 595-3120
F: (718) 595-3207

July 26, 2010

Mr. Seamus Kelly
Atlantic Environmental Solutions Inc.
5 Marine View Plaza, Ste-303
Hoboken, N.J 07030

RE: 547-551 10th Avenue, New York

Dear Mr. Kelly:

The Division of Emergency Response and Technical Assessment have received your Freedom of Information Law request regarding the above-mentioned location. We have searched our files and have not discovered any information relevant to your request.

If we can be of further assistance, please do not hesitate to contact our office at (718) 230-7306.

Very truly yours,

GREGORY HOAG

Gregory Hoag
Executive Director
Division of Emergency Response
And Technical Assessment

Log # 59383

NYC Buildings

Robert D. LiMandri
Commissioner

Mona Sehgal
General Counsel
1 212 566 3353 tel
1 212 566 3843 fax
msehgal@buildings.nyc.gov

280 Broadway
7th Floor,
New York, NY 10007
www.nyc.gov/buildings

Manhattan Borough Office
280 Broadway, 3rd Fl.
(212) 566-0268

Brooklyn Borough Office
210 Joralemon Street
(718) 802-3742

Bronx Borough Office
1932 Arthur Avenue
(718) 579-6923

Queens Borough Office
120-55 Queens Boulevard
(718) 286-0795

Staten Island Borough Office
10 Richmond Ave.-Borough Hall
(718) 816-2315

Elevator Division
280 Broadway, 4th Fl.
(212) 676-2864

Boiler Division
280 Broadway, 4th Fl.
(212) 566-5058

Enforcement Division
280 Broadway, 5th Fl.
(212) 566-3232

July 27, 2010

Seamus Kelly
Project Manager
Atlantic Environmental Solutions, Inc.
5 Marine View Plaza, Suite 303
Hoboken, NJ 07030

Re: 547-551 10th Avenue, New York, NY

Dear Madam/Sir:

This responds to your request for information governed by the Freedom of Information Law (FOIL).

✓ All public records maintained by the Department of Buildings (DOB) are routinely made available for public inspection at the office / division of the New York City Department of Buildings at which said records are maintained. Please contact the **Manhattan Borough Office located at 280 Broadway, 3rd Floor, New York, NY (212) 566-0268** to determine the hours at which the records you have requested are available. Any further questions regarding your request should be directed to the Records Control Officer for the respective office/division of this Department. **The records will not be available at the time you call.**

– The documents you requested are available for inspection at the City Hall Library located at 31 Chambers Street, Suite 112, New York, NY 10007, (212) 788-8590.

– The information you seek is not within the jurisdiction of the Department of Buildings. Please direct your request to

– A search of the Department of Buildings files has revealed no documents.

– Your request is denied under §87(2) of the Public Officer's Law because the documents requested are

✓ **Other: For copies of ECB violations please contact the enforcement Division located at 280 Broadway, 5th Floor, New York, NY (212) 566-3232.**

– You have the right to appeal this determination by writing to Janine Gaylard, FOIL Appeals Officer, 280 Broadway, 7th Floor, New York, NY 10007, within 30 days of the date of this letter.

Sincerely,

Angela Orridge
Records Access Officer

New York State Department of Environmental Conservation
Division of Environmental Remediation
Office of the Director, 12th Floor
625 Broadway, Albany, New York 12233-7011
Phone: (518) 402-9706 • **Fax:** (518) 402-9020
Website: www.dec.ny.gov

Alexander B. Grannis
Commissioner

July 21, 2010

Atlantic Environmental Solutions, Inc.
Attn: Mr. Seamus Kelly, Project Manager
5 Marine View Plaza – Suite 303
Hoboken, New Jersey 07030

Dear Mr. Kelly:

This is in response to your Freedom of Information Law (FOIL) request seeking all information regarding property located at 547-551 10th Avenue, Block 1069, Lot 34, New York, New York.

A diligent search produced no responsive records.

If I can be of further assistance, please call me at (518) 402-9707 and reference FOIL # R2 10-1037 Central Office FOIL #10-1585.

Sincerely,

Lucretia Paulsen

Lucretia Paulsen
FOIL Coordinator

cc: R. Earl, Records Access Officer
J. Brantigan, Records Access Secretary

DEPARTMENT OF CITY PLANNING
CITY OF NEW YORK

OFFICE OF THE DIRECTOR

July 7, 2010

Seamus Kelly
Project Manager
Atlantic Environmental Solutions, Inc.
5 Marine View Plaza - Suite 303
Hoboken, NJ 07030

Re: FOIL# 1178
547-551 10th Avenue, New York
Block 1069, Lot 34

Dear Mr. Kelly:

As Records Access Officer for the Department of City Planning, I acknowledge receipt of your requests for environmental information pertaining to the above-mentioned properties.

Please be advised that the Environmental Impact Statement for the Hudson Yards District/Clinton District Follow-up Zoning Text Change is available on the agency's website nyc.gov/planning - go to Projects/Proposals - Manhattan - More, then scroll down to Earlier Rezonings and Studies (it will be the third project) then choose EIS where you will find the Hazardous Chapter. The Department of City Planning does not maintain environmental regulatory information therefore this part of your request is denied. For your information, I have enclosed a list of regulatory agencies you can contact for records relating to environmental issues.

Please be further advised that pursuant to Subdivision 4 of Section 89 of the Public Officers Law and Section 6 of the Uniform Rules and Regulations for All City Agencies pertaining to the Administration of the Freedom of Information Law, you may, within thirty days after receipt of this information, appeal to the Appeals Officer for this agency David Karnovsky, Counsel to the Department of City Planning, Room 2N, 22 Reade Street, New York, N. Y. 10007. Any appeal must be in writing and include the name of the Records Access Officer, the date, the records which were the subject of the request and the name and address of the applicant.

Sincerely,

Wendy N. Cox

Wendy Niles
(212) 720-3208

Amanda M. Burden, FAICP, Director
22 Reade Street, New York, NY 10007-1216
(212) 720-3200 FAX (212) 720-3219
nyc.gov/planning

23

ATTACHMENT H

EDR REPORT

ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

October 29, 2010

Re: Summary Investigation Report
547-551 10th Avenue, New York, NY
Tax Block 1069, Lots 29 and 34
NYSDEC Spill Case No. 9503865

Dear Mr. Patel:

On behalf of the property owner, Solil Management, LLC, Atlantic Environmental Solutions, Inc. (AESI) is providing this Summary Investigation Report for the property located at 547-551 10th Avenue in New York, New York ("site" or "subject property"). This report is being provided to address work requested by the New York State Department of Environmental Conservation (NYSDEC) in a September 3, 2010 letter. The NYSDEC requested investigation of subsurface soil and groundwater in the vicinity of hydraulic lifts identified at the property. Enclosed you will find the results of the October 2010 Summary Investigation Report and a Scaled Site Map identifying areas of concern at the property. In addition, the Subsurface Investigation Work Plan required for the former gasoline underground storage tanks (USTs) has been revised and resubmitted per your request.

Please feel free to contact us at 201-876-9400 if you have any questions.

Very truly yours,

Seamus Kelly
Project Manager

Jeffrey W.Anderson, CHMM
Vice President

5 Marine View Plaza - Suite 303
Hoboken, NJ 07030
P (201) 876-9400 ▲ F (201) 876-9563
Toll Free (888) 876-9443

SolutionsEnvironmental.com

8700 W Bryn Mawr Ave. - Suite 800S
Chicago, IL 60631
P (773) 380-9400 ▲ F (773) 714-4910
Toll Free (888) 876-9443

SUMMARY INVESTIGATION REPORT

Hydraulic Lift Investigation
Former Auto Shop
547-551 10th Avenue,
New York, NY
Tax Block 1069, Lots 29 and 34
NYSDEC Spill Case #: 9503865

Prepared for
Solil Management, LLC.
640 Fifth Avenue, 3rd Floor
New York, NY 10019

Prepared by:

Atlantic Environmental Solutions, Inc.
5 Marine View Plaza, Suite 303
Hoboken, New Jersey 07030

October 2010

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

1.0 INTRODUCTION

On behalf of Solil Management, LLC, Atlantic Environmental Solutions, Inc., (AESI) prepared a Phase I Environmental Site Assessment for the property located at 547-551 10th Avenue, New York, New York at the request of the New York State Department of Environmental Conservation (NYSDEC). The Phase I report was prepared and submitted to the NYSDEC in lieu of a record search report per Appendix 3A of the Technical Guidance for Site Investigation and Remediation (DER-10).

During preparation of the Phase I, AESI identified a number of Recognized Environmental Conditions (RECs) warranting further investigation. These RECs included an open discharge case (#9503865) relating to the removal of gasoline underground storage tanks (USTs) in 1995 and two (2) in-ground hydraulic lifts inside the former auto service shop.

On September 3, 2010, the NYSDEC issued a letter requesting the following:

1) Submission of a Scaled Site Map
2) Delineation of Possible Soil Contamination in the Area of Hydraulic Lifts
3) Delineation of Soil and Groundwater Contamination via Installation of Monitoring Wells Around the Former Gasoline Tank Systems

The Scaled Site Map (Figure 2) and a summary investigation report (SIR) detailing the investigation of the hydraulic lifts are included in this submittal. The Investigation Work Plan (IWP) required prior to monitoring well installation has been submitted under separate cover.

2.0 SUMMARY OF INVESTIGATION ACTIVITIES

On October 6, 2010, AESI mobilized to the property to perform soil sampling in the vicinity of the hydraulic lifts inside the former auto shop. AESI advanced four (4) soil borings around the two (2) hydraulic lifts. Figure 2 shows the soil boring locations and the soil boring logs are included as Appendix A. The soil borings were advanced using a geoprobe and soil encountered was continuously sampled using macro core liners. During the investigation AESI noted the presence of an in-ground hydraulic oil tank adjacent to the northern-most lift. The tank was accessed and appeared to contain hydraulic oil. Please refer to Figure 2 for a scaled site map showing the former auto shop, former gasoline tanks and dispenser islands and proposed groundwater monitoring wells. Please refer to Figure 3 for the location of the lifts, hydraulic oil tank and soil borings within the former auto shop. Soil boring logs are included at Appendix A.

Soil boring SB-1 was advanced adjacent to the northern most hydraulic lift. The soil boring was advanced to refusal, at approximately six (6) feet below ground surface. The soil was field screened with a Photoionization detector (PID). No petroleum odors or PID reading were detected.

Soil boring SB-2 was advanced to the south of the northernmost hydraulic lift, adjacent to the hydraulic oil cylinder. SB-2 was advanced to a depth of 20 feet below ground surface. Sample SB-2-5 was collected at five (5) feet below ground surface (bgs) and sample SB-2-12 was

collected at 12 feet bgs. Groundwater was encountered at approximately 13 feet bgs. No odors or PID reading were detected at five (5) feet bgs, but staining, odors and a PID reading of 372 parts per million were detected at 12 feet bgs. Staining and a petroleum odor extended to 20 feet bgs. As contamination extended below the water table, AESI collected a groundwater sample, SB-2W.

Soil boring SB-3 was advanced to the south of the southern-most hydraulic lift. The soil boring was advanced to refusal, at approximately seven (7) feet below ground surface. The soil was field screened with a Photoionization detector (PID). No petroleum odors or PID reading were detected.

Soil boring SB-4 was advanced to the east of the southern-most hydraulic lift, towards the front of the former auto shop. SB-4 was advanced to a depth of 20 feet bgs. Sample SB-4-5 was collected at five (5) feet bgs and sample SB-$-13 was collected at 13 feet bgs. Groundwater was encountered at approximately 13 - 14 feet bgs. No odors or PID reading were detected at five (5) feet bgs, but staining, odors and a PID reading of 560 parts per million were detected at 13 feet bgs. Staining and a petroleum odor extended to 20 feet bgs. As contamination extended below the water table, AESI collected a groundwater sample, SB-4W.

All soil and groundwater samples were placed in an ice filled cooler and delivered to a New York State Department of Health (NYSDOH) certified laboratory. The samples were submitted for analysis of volatile organic compounds (VOCs) and semi volatile organic compounds (SVOCs) via EPA methods 8260 and 8270.

3.0 LABORATORY ANALYTICAL RESULTS – OCTOBER 6, 2010

Four (4) soil samples (SB-2-5, SB-2-12, SB-4-5 & SB-4-13) and two (2) groundwater samples (SB-2W & SB-4W) were submitted to Integrated Analytical Laboratories, of Randolph, New Jersey for analysis of VOCs and SVOCs via EPA methods 8260 and 8270. Please refer to Table 1 for a summary of soil results and Table 2 for a summary of groundwater results. The laboratory analytical data report is included as Appendix B.

Laboratory analysis of the soil samples did not identify volatile organic compounds at concentrations in excess of the NYSDEC Recommended Soil Cleanup Objective (RSCO). Semi volatile organic compounds (SVOCs) consistent with historic fill materials were identified in the shallow soil samples at concentrations in excess of the RSCO. Benzo[a]anthracene, chrysene, benzo[a]pyrene and dibenz[a,h]anthracene were identified above standard in SB-2-5 and benzo[a]anthracene was identified above standard in SB-4-5. No SVOCs were identified above standard in the deeper soil samples.

Laboratory analysis of the groundwater samples, SB-2W and SB-4W, identified volatile organic compounds in excess of the NYSDEC groundwater standard in both temporary monitoring wells. SB-2W contained benzene at 9.92 parts per billion (ppb), in excess of the standard of 0.7 ppb. SB-4W contained acetone at 72.7 ppb, in excess of the standard of 50 ppb; benzene at 76.1 ppb, in excess of the standard of 0.7 ppb; toluene at 7.63 ppb in excess of the standard of 5 ppb;

ethylbenzene at 7.51 ppb, in excess of the standard of 5 ppb; and, total xylenes at 30.4 ppb, in excess of the standard of 5 ppb. No SVOCs were detected above standard in either groundwater sample. Samples had high turbidity and the suspended sediment may have artificially raised concentrations of volatile contaminants present.

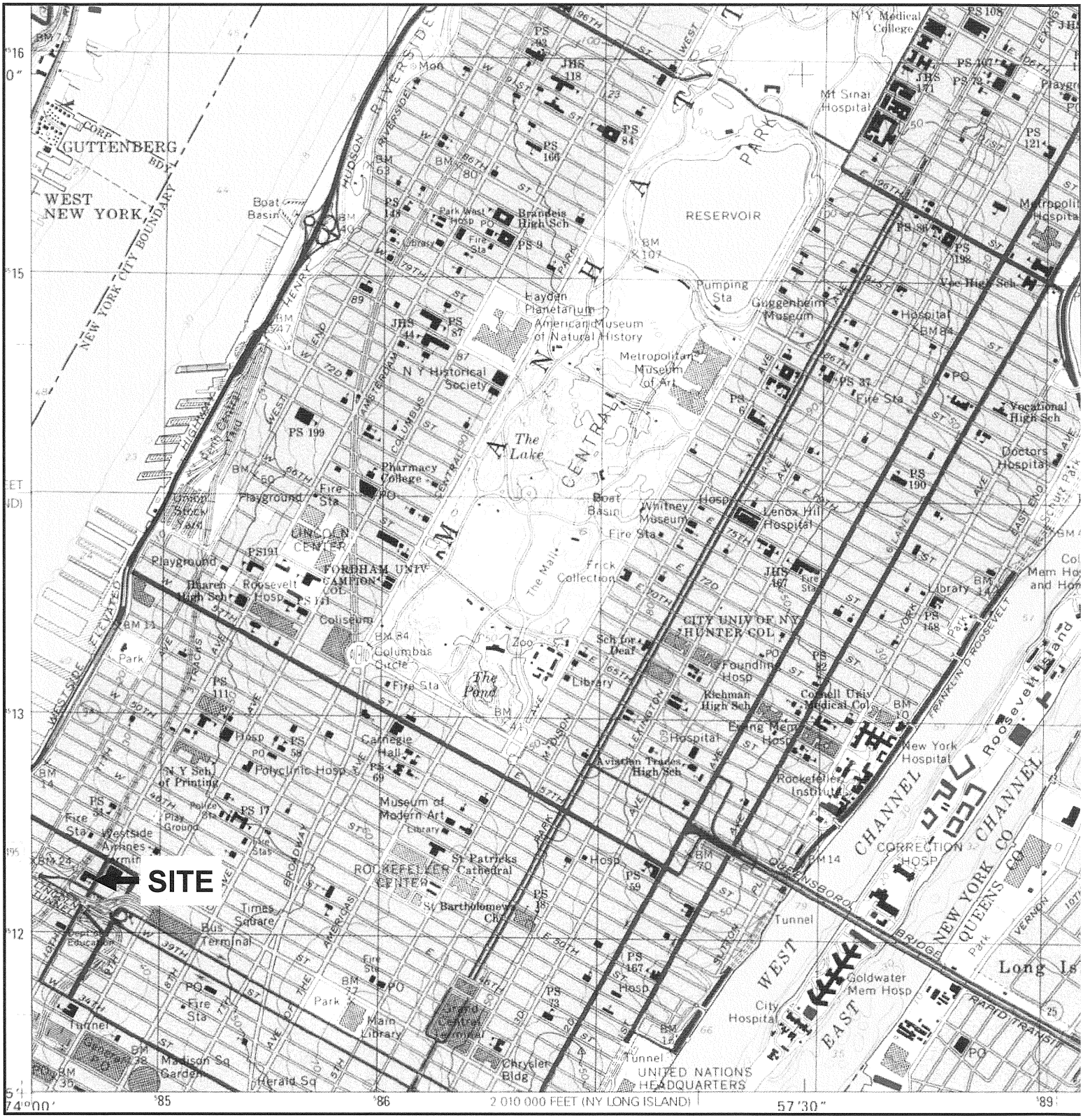
4.0 CONCLUSIONS AND RECOMMENDATIONS

The analytical results of the soil samples collected adjacent to the hydraulic lifts located in the former auto shop at the property did not identify petroleum contamination in excess of the NYSDEC standards. Semi volatile organic compounds identified in the soil samples are indicative of fill material commonly used to raise the elevations of properties throughout New York City in the early 20th Century. No further action is recommended for the soils in this area. However, as the hydraulic lifts are out of service, AESI recommends removing both the lifts and the associated hydraulic oil tank observed at the property during the investigation.

The analytical results of groundwater samples collected adjacent to the hydraulic lifts identified petroleum contamination in excess of the NYSDEC standards in both samples and acetone contamination in excess of the standard in SB-4W. Both samples had high turbidity and both temporary well points had poor water recharge during sampling. AESI recommends installing a permanent monitoring well adjacent to the former auto shop and collecting a groundwater sample to validate these results. An additional monitoring well adjacent to the southern perimeter of the former auto shop will be included in the Site Investigation Work Plan being submitted for the site.

FIGURES

Historical Topographic Map

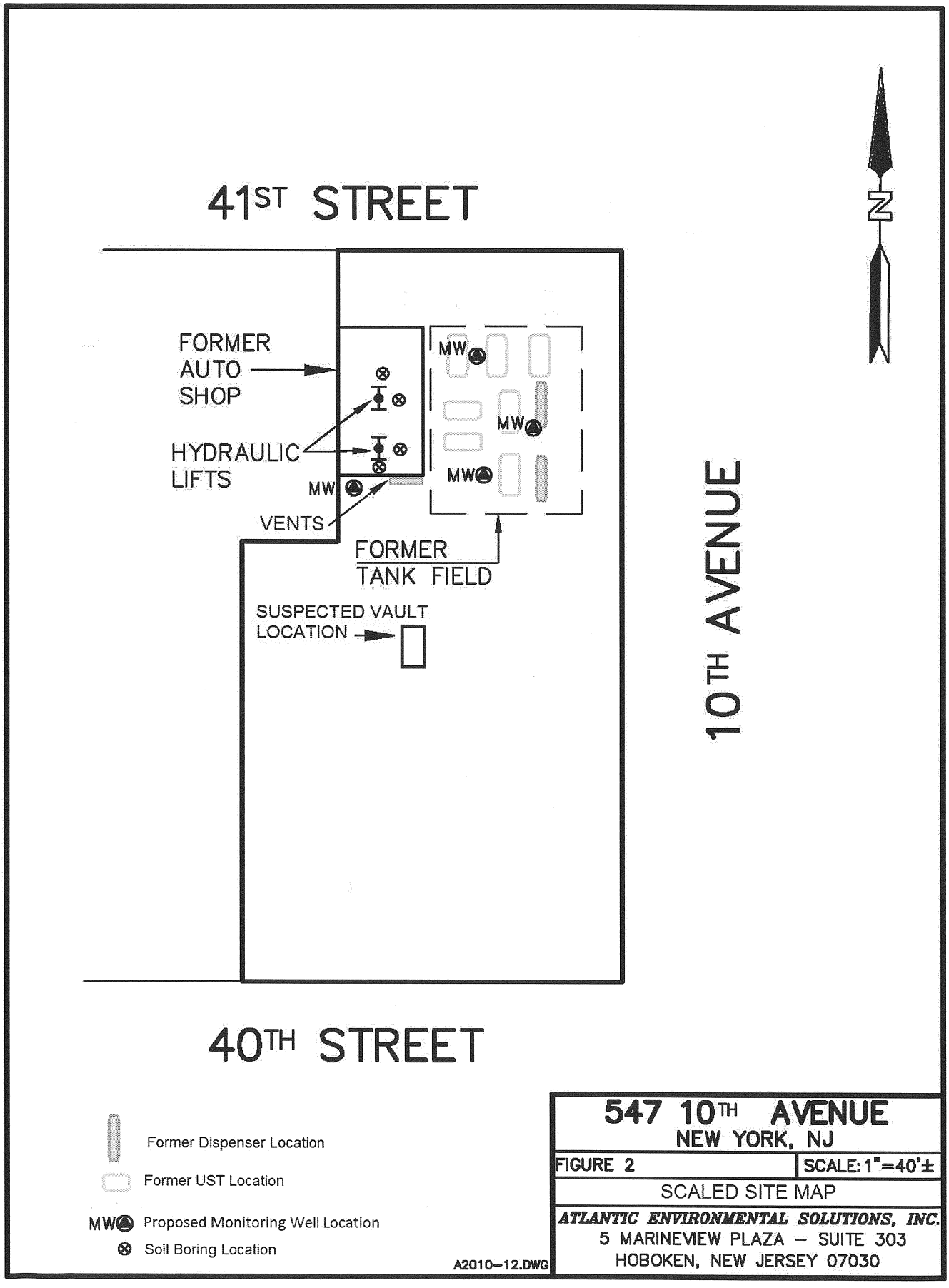


Target Quad: Central Park
Series: 7.5
Scale: 1:24000

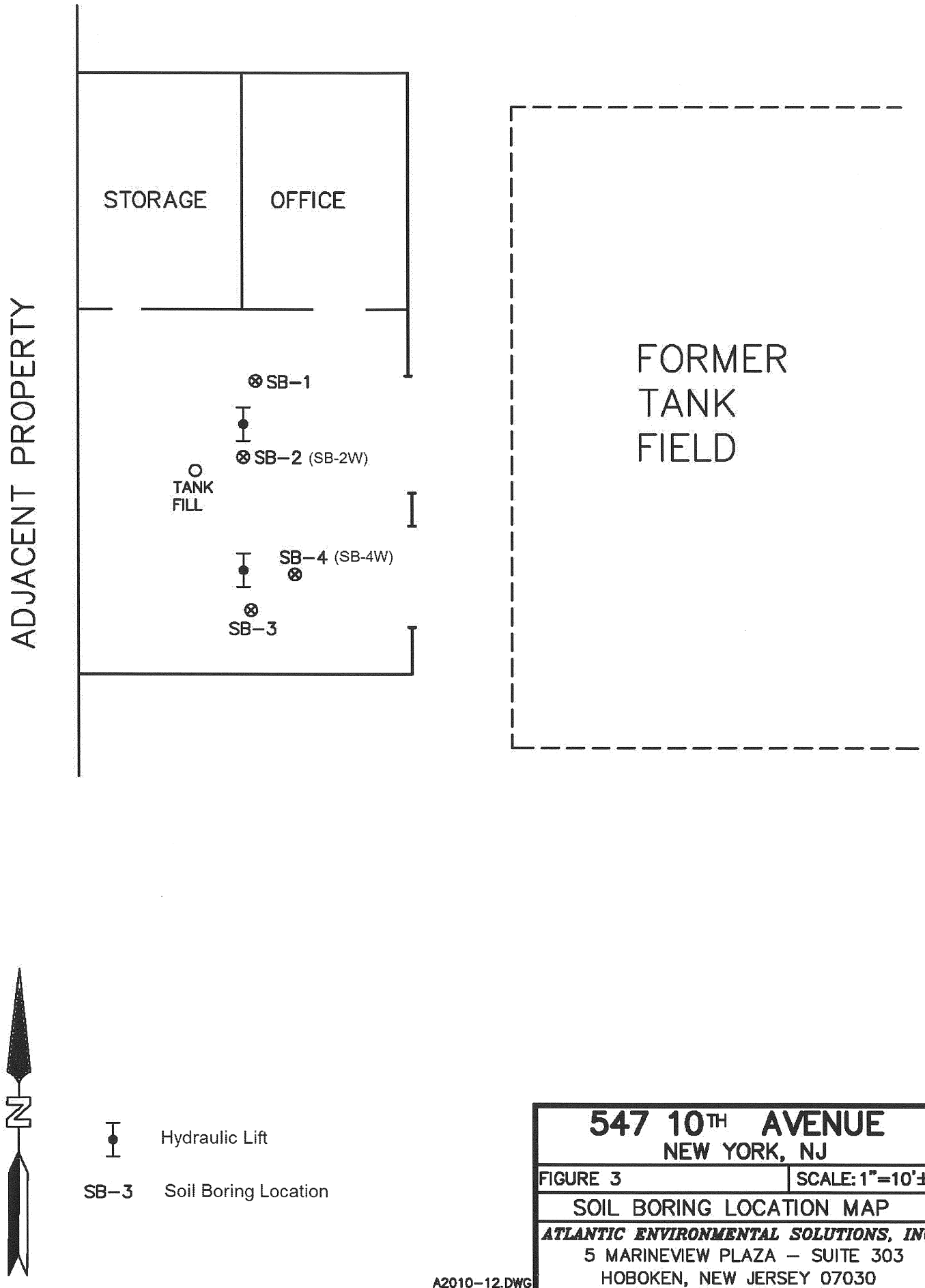
Commercial Property
547-551 Tenth Avenue
New York, New York

Figure 1: Site Location Map

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey



547 10TH AVENUE NEW YORK, NJ	
FIGURE 2	SCALE: 1"=40'±
SCALED SITE MAP	
ATLANTIC ENVIRONMENTAL SOLUTIONS, INC. 5 MARINEVIEW PLAZA – SUITE 303 HOBOKEN, NEW JERSEY 07030	



547 10TH AVENUE
NEW YORK, NJ

FIGURE 3	SCALE: 1"=10'±

SOIL BORING LOCATION MAP

ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.
5 MARINEVIEW PLAZA – SUITE 303
HOBOKEN, NEW JERSEY 07030

A2010–12.DWG

TABLE 1
Summary of Soil Sample Results, October 6, 2010
547-551 10th Avenue, New York, New York

Client ID:	TAGM 4046	SB-2-5	SB-2-12	SB-4-5	SB-4-13
Sample Depth:	Rec. Soil	5	12	5	13
Date Sampled:	Cleanup	10/06/2010	10/06/2010	10/06/2010	10/06/2010
Matrix:	Objective (ppm)	Soil	Soil	Soil	Soil
Volatiles (ppm)		Conc	Conc	Conc	Conc
Vinyl chloride	**0.2**	ND	ND	ND	ND
Chloroethane	**1.9**	ND	ND	ND	ND
1,1-Dichloroethene	**0.4**	ND	ND	ND	ND
Acetone	**0.2**	ND	ND	ND	ND
Carbon disulfide	**2.7**	ND	ND	ND	ND
Methylene chloride	**0.1**	ND	ND	ND	ND
trans-1,2-Dichloroethene	**0.3**	ND	ND	ND	ND
1,1-Dichloroethane	**0.2**	ND	ND	ND	ND
2-Butanone (MEK)	**0.3**	ND	ND	ND	ND
Chloroform	**0.3**	ND	ND	ND	ND
1,1,1-Trichloroethane	**0.8**	ND	ND	ND	ND
Carbon tetrachloride	**0.6**	ND	ND	ND	ND
1,2-Dichloroethane (EDC)	**0.1**	ND	ND	ND	ND
Benzene	**0.06**	ND	ND	ND	ND
Trichloroethene	**0.7**	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	**1.0**	ND	ND	ND	ND
Toluene	**1.5**	ND	ND	ND	ND
Tetrachloroethene	**1.4**	ND	ND	ND	ND
1,3-Dichloropropane	**0.3**	ND	ND	ND	ND
Dibromochloromethane	**(NA)**	ND	ND	ND	ND
Chlorobenzene	**1.7**	ND	ND	ND	ND
Ethylbenzene	**5.5**	ND	ND	ND	ND
Total Xylenes	**1.2**	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	**0.6**	ND	ND	ND	ND
1,2,3-Trichloropropane	**0.4**	ND	ND	ND	ND
1,3-Dichlorobenzene	**1.6**	ND	ND	ND	ND
1,4-Dichlorobenzene	**8.5**	ND	ND	ND	ND
1,2-Dichlorobenzene	**7.9**	ND	ND	ND	ND
1,2,4-Trichlorobenzene	**3.4**	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	**6.0**	ND	ND	ND	ND
TOTAL VO's:	**NA**	ND	ND	ND	ND

Atlantic Environmental Solutions, Inc.

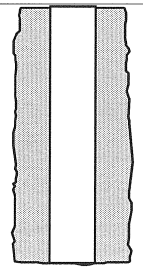
5 Marine View Plaza, Suite 303, Hoboken, New Jersey 07030
Phone: (201) 876 9400 Fax: (201) 876 9563

Boring for Location: SB-1

Permit #: N/A	**Location:** Interior, Former Autoshop		**G.W. Encountered:** NA	**Static Water:**
Site Name: 547-551 10th Ave	**Project:** 30170	**Case #:** 9503865	**Boring - Depth:** 6'	**Diameter:** 2"
Owner: Solil Management	**Use:** Soil sampling		**Casing - Length:** N/A	**Diameter:**
Boring Drill Date: 10/6/10	**Type:** Grab		**Screen - Length:** N/A'	**Diameter:**
Boring Driller: AESI	**Purge Method:** N/A		**Screen Type:** N/A	
Boring Rig: Geoprobe	**Sample Method:** N/A		**Bentonite:** N/A	
Driller/Helper: Paul Recchia/Wayne	**Sample Parameters:** VOC's, SVOC's		**Sand Pack:** N/A	
Sampling Method: Grab	**Sampler:** S. Kelly		**Depth to PVC Rim:** N/A	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Blows/12.0"	Recovery (in)	Soil Type	Soil/Geologic Description	Depth (ft.)
1						Concrete	1
2							2
3							3
4		0.0		30		Fill Material - Sand, construction debris/bricks	4
5							5
6		0.0		8		Refusal - Fill material, concrete/bricks	6
7							7
8							8
9							9
10							10
11							11
12							12
13							13
14							14
15							15
16							16
17							17
18							18
19							19
20							20

Boring Diagram



Atlantic Environmental Solutions, Inc.

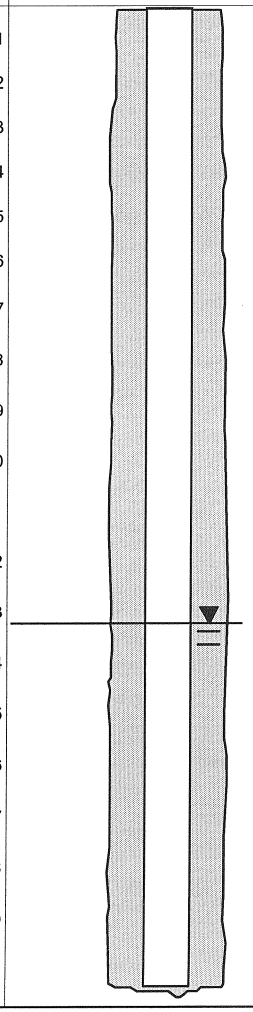
5 Marine View Plaza, Suite 303, Hoboken, New Jersey 07030
Phone: (201) 876 9400 Fax: (201) 876 9563

Boring for Location: SB-2

Permit #: N/A	**Location:** Interior, Former Autoshop		**G.W. Encountered:** 13'	**Static Water:**
Site Name: 547-551 10th Ave	**Project:** 30170	**Case #:** 9503865	**Boring - Depth:** 20'	**Diameter:** 2"
Owner: Solil Management	**Use:** Soil sampling		**Casing - Length:** N/A	**Diameter:**
Boring Drill Date: 10/6/10	**Type:** Grab		**Screen - Length:** N/A'	**Diameter:**
Boring Driller: AESI	**Purge Method:** N/A		**Screen Type:** N/A	
Boring Rig: Geoprobe	**Sample Method:** N/A		**Bentonite:** N/A	
Driller/Helper: Paul Recchia/Wayne	**Sample Parameters:** VOC's, SVOC's		**Sand Pack:** N/A	
Sampling Method: Grab	**Sampler:** S. Kelly		**Depth to PVC Rim:** N/A	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Blows/12.0"	Recovery (in)	Soil Type	Soil/Geologic Description
1						Concrete
2						
3						
4		0.0		15		Fill Material - Sand/Construction Debris/Bricks
5						Sample SB-2-5 Collected at 5'
6						
7						
8		0.0		24		Fill Material - Sandy Clay/Construction Debris/Bricks
9						
10						
11						
12		372		24		Sandy Clay. Staining and Petroleum Odor
13						Sample SB-2-12 Collected at 12' Groundwater Encountered at 13'
14						
15						
16		0.0		36		Coarse Sand with some Fine Silts. Staining and Petroleum Odor
17						Groundwater Sample SB-2W collected. Turbid sample. Slow recharge
18						
19						
20		6		40		Coarse Sand with some Fine Silts. Staining and Petroelum Odor

Boring Diagram



Atlantic Environmental Solutions, Inc.

5 Marine View Plaza, Suite 303, Hoboken, New Jersey 07030
Phone: (201) 876 9400 Fax: (201) 876 9563

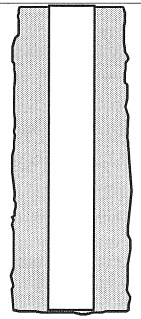
Boring for Location: SB-3

Permit #: N/A	**Location:** Interior, Former Autoshop		**G.W. Encountered:** NA	**Static Water:**
Site Name: 547-551 10th Ave	**Project:** 30170	**Case #:** 9503865	**Boring - Depth:** 7'	**Diameter:** 2"
Owner: Solil Management	**Use:** Soil sampling		**Casing - Length:** N/A	**Diameter:**
Boring Drill Date: 10/6/10	**Type:** Grab		**Screen - Length:** N/A'	**Diameter:**
Boring Driller: AESI	**Purge Method:** N/A		**Screen Type:** N/A	
Boring Rig: Geoprobe	**Sample Method:** N/A		**Bentonite:** N/A	
Driller/Helper: Paul Recchia/Wayne	**Sample Parameters:** VOC's, SVOC's		**Sand Pack:** N/A	
Sampling Method: Grab	**Sampler:** S. Kelly		**Depth to PVC Rim:** N/A	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Blows/12.0"	Recovery (in)	Soil Type	Soil/Geologic Description
1						Concrete
2						
3						
4		0.0		10		Fill Material - Sand/Construction Debris/Bricks
5						
6						
7		0.0		18		Fill Material - Sand/Construction Debris/Concrete
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Depth (ft.)

Boring Diagram



Atlantic Environmental Solutions, Inc.

5 Marine View Plaza, Suite 303, Hoboken, New Jersey 07030
Phone: (201) 876 9400 Fax: (201) 876 9563

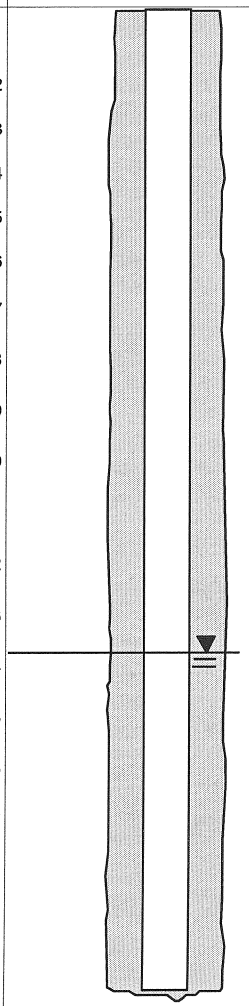
Boring for Location: SB-4

Permit #: N/A	**Location:** Interior, Former Autoshop		**G.W. Encountered:** 13' - 14'	**Static Water:**
Site Name: 547-551 10th Ave	**Project:** 30170	**Case #:** 9503865	**Boring - Depth:** 20'	**Diameter:** 2"
Owner: Solil Management	**Use:** Soil sampling		**Casing - Length:** N/A	**Diameter:**
Boring Drill Date: 10/6/10	**Type:** Grab		**Screen - Length:** N/A'	**Diameter:**
Boring Driller: AESI	**Purge Method:** N/A		**Screen Type:** N/A	
Boring Rig: Geoprobe	**Sample Method:** N/A		**Bentonite:** N/A	
Driller/Helper: Paul Recchia/Wayne	**Sample Parameters:** VOC's, SVOC's		**Sand Pack:** N/A	
Sampling Method: Grab	**Sampler:** S. Kelly		**Depth to PVC Rim:** N/A	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Blows/12.0"	Recovery (feet)	Soil Type	Soil/Geologic Description
1						Concrete
2						
3						
4		0.0		13		Fill Material - Sand/Construction Debris/Bricks
5						Sample SB-4-5 Collected at 5'
6						
7						
8		0.0		18		Fill Material - Sand/Conctruction Debris/Bricks
9						
10						
11						
12		1.0		36		Sandy Clay. Slight Staining and Petroleum Odor
13		560				Sample SB-4-13 Collected at 13'. Staining and Petroleum Odor.
14						Groundwater Encountered at 13.5'-14'
15						
16		589		26		Coarse Sand with some Fine Silts. Staining and Petroleum Odor Groundwater Sample SB-4W collected. Turbid Sample. Poor Recharge
17						
18						
19						
20		560		32		Coarse Sand with some Fine Silts. Staining and Petroleum Odor

Depth (ft.)

Boring Diagram



APPENDIX B
Laboratory Data Report: October 6, 2010

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Atlantic Environmental Solutions, Inc.
5 Marine View Plaza
Suite 303
Hoboken, NJ 07030

Project Name: **547 10TH AVE.**
IAL Case Number: **E10-10074**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

IAL is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (11402), Rhode Island (00126), Pennsylvania (68-00773) and in the Department of Navy IR QA Program

Sample Summary

IAL Case No.

E10-10074

Client Atlantic Environmental Solutions, Inc.

Project 547 10TH AVE.

Received On 10/ 6/2010@13:51

Lab ID	*Client Sample ID*	*Depth Top/Bottom*	*Sampling Time*	*Matrix*	*# of Container*
10074-001	SB-2-5	5	10/ 6/2010@09:25	Soil	2
10074-002	SB-2-12	12	10/ 6/2010@09:45	Soil	2
10074-003	SB-2W	16	10/ 6/2010@10:15	Aqueous	4
10074-004	SB-4-5	5	10/ 6/2010@10:45	Soil	2
10074-005	SB-4-13	13	10/6/2010@11:00	Soil	2
10074-006	SB-4W	16	10/ 6/2010@11:45	Aqueous	4
10074-007	FIELD BLANK	n/a	10/ 6/2010	Aqueous	4
10074-008	TRIP BLANK	n/a	10/ 6/2010	Aqueous	4

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates the concentration was reported below the RL but above the MDL. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

RL - Reporting Limit.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

Q - Qualifier

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received four (4) aqueous and four (4) soil sample(s) from Atlantic Environmental Solutions, Inc. (Project: 547 10TH AVE.) on October 6, 2010 for the analysis of:

(8) TAGM VO - Full List
(7) TAGM BNA - Full List

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

AJenno
Reviewed by

10/20/10
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E10-10074

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E10 - 10074

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. BFB Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed		✓

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
	✓		

13. Comments:

Organics Manager

10/12/10
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS SEMIVOLATILE ANALYSIS

Lab Case Number: E10- 10074

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. DFTPP Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
a. B/N Fraction _____		
b. Acid Fraction _____		
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
a. B/N Fraction _____		
b. Acid Fraction _____		
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
a. B/N Fraction _____		
b. Acid Fraction _____		
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met		✓
If not met, list number of days exceeded for each sample:		
_____		
_____		
11. Analysis Holding Time Met		✓
If not met, list number of days exceeded for each sample:		
_____		
_____		
12. Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
	-		

13. Comments:

_____

_____

Organics Manager

10-11-10
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: Atlantic Environmental Solutions, Inc.
Project: 547 10TH AVE.
Lab Case No.: E10-10074

	Lab ID:	10074-003			10074-006			10074-007			10074-008		
	Client ID:	SB-2W			SB-4W			FIELD BLANK			TRIP BLANK		
	Depth:	16			16								
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	10/6/10			10/6/10			10/6/10			10/6/10		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Vinyl chloride		ND		0.820	ND		0.410	ND		0.410	ND		0.410
Chloroethane		ND		1.24	ND		0.620	ND		0.620	ND		0.620
1,1-Dichloroethene		ND		0.900	ND		0.450	ND		0.450	ND		0.450
Acetone		ND		1.28	72.7		0.640	ND		0.640	ND		0.640
Carbon disulfide		ND		0.840	ND		0.420	ND		0.420	ND		0.420
Methylene chloride		ND		3.96	ND		1.98	ND		1.98	ND		1.98
trans-1,2-Dichloroethene		ND		0.920	ND		0.460	ND		0.460	ND		0.460
1,1-Dichloroethane		ND		0.780	ND		0.390	ND		0.390	ND		0.390
2-Butanone (MEK)		ND		0.420	12.6		0.210	ND		0.210	ND		0.210
Chloroform		ND		0.860	ND		0.430	ND		0.430	ND		0.430
1,1,1-Trichloroethane		ND		0.800	ND		0.400	ND		0.400	ND		0.400
Carbon tetrachloride		ND		0.760	ND		0.380	ND		0.380	ND		0.380
1,2-Dichloroethane (EDC)		ND		0.660	ND		0.330	ND		0.330	ND		0.330
Benzene		9.92		0.740	76.1		0.370	ND		0.370	ND		0.370
Trichloroethene		ND		0.760	ND		0.380	ND		0.380	ND		0.380
4-Methyl-2-pentanone (MIBK)		ND		0.560	ND		0.280	ND		0.280	ND		0.280
Toluene		2.31		0.560	7.63		0.280	ND		0.280	ND		0.280
Tetrachloroethene		ND		0.660	ND		0.330	ND		0.330	ND		0.330
1,3-Dichloropropane		ND		0.480	ND		0.240	ND		0.240	ND		0.240
Dibromochloromethane		ND		0.440	ND		0.220	ND		0.220	ND		0.220
Chlorobenzene		ND		0.860	ND		0.430	ND		0.430	ND		0.430
Ethylbenzene		ND		0.760	7.51		0.380	ND		0.380	ND		0.380
Total Xylenes		3.96	J	1.58	30.4		0.790	ND		0.790	ND		0.790
1,1,2,2-Tetrachloroethane		ND		0.440	ND		0.220	ND		0.220	ND		0.220
1,2,3-Trichloropropane		ND		0.600	ND		0.300	ND		0.300	ND		0.300
1,3-Dichlorobenzene		ND		0.680	ND		0.340	ND		0.340	ND		0.340
1,4-Dichlorobenzene		ND		0.740	ND		0.370	ND		0.370	ND		0.370
1,2-Dichlorobenzene		ND		0.680	ND		0.340	ND		0.340	ND		0.340
1,2,4-Trichlorobenzene		ND		0.760	ND		0.380	ND		0.380	ND		0.380
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.900	ND		0.450	ND		0.450	ND		0.450
TOTAL VO's:		16.2	J		207			ND			ND		
Semivolatiles - BNA (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*					
Phenol		ND		0.320	ND		0.320	ND		0.320	~		~
Aniline		ND		0.220	ND		0.220	ND		0.220	~		~
2-Chlorophenol		ND		0.480	ND		0.480	ND		0.480	~		~
2-Methylphenol		ND		0.410	ND		0.410	ND		0.410	~		~
4-Methylphenol		ND		0.260	ND		0.260	ND		0.260	~		~
Nitrobenzene		ND		0.230	ND		0.230	ND		0.230	~		~
Isophorone		ND		0.310	ND		0.310	ND		0.310	~		~
2-Nitrophenol		ND		0.250	ND		0.250	ND		0.250	~		~
Benzoic acid		ND		0.380	ND		0.380	ND		0.380	~		~
2,4-Dichlorophenol		ND		0.250	ND		0.250	ND		0.250	~		~

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the RL and above the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.
Continued on Next Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Atlantic Environmental Solutions, Inc.
Project: 547 10TH AVE.
Lab Case No.: E10-10074

	Lab ID:	10074-003			10074-006			10074-007			10074-008		
	Client ID:	SB-2W			SB-4W			FIELD BLANK			TRIP BLANK		
	Depth:	16			16								
	Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
	Sampled Date	10/6/10			10/6/10			10/6/10			10/6/10		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Semivolatiles - BNA (Units)		*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*					
Naphthalene		ND		0.266	1.20		0.266	ND		0.266	~		~
4-Chloroaniline		ND		0.250	ND		0.250	ND		0.250	~		~
4-Chloro-3-methylphenol		ND		0.220	ND		0.220	ND		0.220	~		~
2-Methylnaphthalene		0.866	J	0.223	ND		0.223	ND		0.223	~		~
2,4,5-Trichlorophenol		ND		0.260	ND		0.260	ND		0.260	~		~
2-Nitroaniline		ND		0.220	ND		0.220	ND		0.220	~		~
Dimethyl phthalate		ND		0.230	ND		0.230	ND		0.230	~		~
2,6-Dinitrotoluene		ND		0.220	ND		0.220	ND		0.220	~		~
Acenaphthylene		ND		0.222	ND		0.222	ND		0.222	~		~
3-Nitroaniline		ND		0.210	ND		0.210	ND		0.210	~		~
Acenaphthene		2.83		0.213	ND		0.213	ND		0.213	~		~
2,4-Dinitrophenol		ND		0.260	ND		0.260	ND		0.260	~		~
4-Nitrophenol		ND		0.380	ND		0.380	ND		0.380	~		~
Dibenzofuran		1.99		0.240	ND		0.240	ND		0.240	~		~
Diethyl phthalate		ND		0.230	3.39		0.230	ND		0.230	~		~
Fluorene		4.63		0.231	ND		0.231	ND		0.231	~		~
Hexachlorobenzene		ND		0.230	ND		0.230	ND		0.230	~		~
Pentachlorophenol		ND		0.240	ND		0.240	ND		0.240	~		~
Phenanthrene		1.55		0.321	ND		0.321	ND		0.321	~		~
Anthracene		ND		0.242	ND		0.242	ND		0.242	~		~
Di-n-butyl phthalate		0.541	J	0.230	ND		0.230	ND		0.230	~		~
Fluoranthene		ND		0.235	ND		0.235	ND		0.235	~		~
Pyrene		0.457	J	0.238	ND		0.238	ND		0.238	~		~
Butyl benzyl phthalate		ND		0.240	ND		0.240	ND		0.240	~		~
3,3'-Dichlorobenzidine		ND		0.230	ND		0.230	ND		0.230	~		~
Benzo[a]anthracene		ND		0.230	ND		0.230	ND		0.230	~		~
Chrysene		ND		0.215	ND		0.215	ND		0.215	~		~
Bis(2-ethylhexyl) phthalate		ND		0.260	ND		0.260	ND		0.260	~		~
Di-n-octyl phthalate		ND		0.220	ND		0.220	ND		0.220	~		~
Benzo[b]fluoranthene		ND		0.290	ND		0.290	ND		0.290	~		~
Benzo[k]fluoranthene		ND		0.220	ND		0.220	ND		0.220	~		~
Benzo[a]pyrene		ND		0.210	ND		0.210	ND		0.210	~		~
Indeno[1,2,3-cd]pyrene		ND		0.260	ND		0.260	ND		0.260	~		~
Dibenz[a,h]anthracene		ND		0.220	ND		0.220	ND		0.220	~		~
Benzo[g,h,i]perylene		ND		0.218	ND		0.218	ND		0.218	~		~
TOTAL BNA'S:		12.9	J		4.59			ND					

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the RL and above the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Atlantic Environmental Solutions, Inc.
Project: 547 10TH AVE.
Lab Case No.: E10-10074

	Lab ID:	10074-001			10074-002			10074-004			10074-005		
	Client ID:	SB-2-5			SB-2-12			SB-4-5			SB-4-13		
	Depth:	5			12			5			13		
	Matrix:	Soil			Soil			Soil			Soil		
	Sampled Date	10/6/10			10/6/10			10/6/10			10/6/10		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (Units)		*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Vinyl chloride		ND		0.000433	ND		0.223	ND		0.000422	ND		0.000892
Chloroethane		ND		0.000491	ND		0.253	ND		0.000479	ND		0.00101
1,1-Dichloroethene		ND		0.00048	ND		0.247	ND		0.000467	ND		0.000988
Acetone		ND		0.000761	ND		0.392	ND		0.000741	ND		0.00157
Carbon disulfide		ND		0.000433	ND		0.223	ND		0.000422	ND		0.000892
Methylene chloride		ND		0.00232	ND		1.19	ND		0.00219	ND		0.00477
trans-1,2-Dichloroethene		ND		0.000527	ND		0.271	ND		0.000513	ND		0.00108
1,1-Dichloroethane		ND		0.00048	ND		0.247	ND		0.000467	ND		0.000988
2-Butanone (MEK)		ND		0.000246	ND		0.127	ND		0.000239	ND		0.000506
Chloroform		ND		0.000328	ND		0.169	ND		0.000319	ND		0.000675
1,1,1-Trichloroethane		ND		0.000328	ND		0.169	ND		0.000319	ND		0.000675
Carbon tetrachloride		ND		0.000363	ND		0.187	ND		0.000353	ND		0.000747
1,2-Dichloroethane (EDC)		ND		0.000281	ND		0.145	ND		0.000274	ND		0.000578
Benzene		ND		0.000421	ND		0.217	ND		0.00041	ND		0.000868
Trichloroethene		ND		0.000374	ND		0.193	ND		0.000365	ND		0.000771
4-Methyl-2-pentanone (MIBK)		ND		0.000293	ND		0.151	ND		0.000285	ND		0.000603
Toluene		ND		0.000491	ND		0.253	ND		0.000479	ND		0.00101
Tetrachloroethene		ND		0.000433	ND		0.223	ND		0.000422	ND		0.000892
1,3-Dichloropropane		ND		0.000316	ND		0.163	ND		0.000308	ND		0.000651
Dibromochloromethane		ND		0.000257	ND		0.133	ND		0.000251	ND		0.00053
Chlorobenzene		ND		0.000398	ND		0.205	ND		0.000388	ND		0.000819
Ethylbenzene		ND		0.000386	ND		0.199	ND		0.000376	ND		0.000795
Total Xylenes		ND		0.00119	ND		0.614	ND		0.00116	ND		0.00246
1,1,2,2-Tetrachloroethane		ND		0.000269	ND		0.139	ND		0.000262	ND		0.000554
1,2,3-Trichloropropane		ND		0.000363	ND		0.187	ND		0.000353	ND		0.000747
1,3-Dichlorobenzene		ND		0.000386	ND		0.199	ND		0.000376	ND		0.000795
1,4-Dichlorobenzene		ND		0.000374	ND		0.193	ND		0.000365	ND		0.000771
1,2-Dichlorobenzene		ND		0.000328	ND		0.169	ND		0.000319	ND		0.000675
1,2,4-Trichlorobenzene		ND		0.000281	ND		0.145	ND		0.000274	ND		0.000578
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		0.000351	ND		0.181	ND		0.000342	ND		0.000723
TOTAL VO's:		ND			ND			ND			ND		
Semivolatiles - BNA (Units)		*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Phenol		ND		0.060	ND		0.060	ND		0.058	ND		0.063
Aniline		ND		0.051	ND		0.051	ND		0.049	ND		0.053
2-Chlorophenol		ND		0.064	ND		0.065	ND		0.062	ND		0.067
2-Methylphenol		ND		0.025	ND		0.025	ND		0.024	ND		0.026
4-Methylphenol		ND		0.025	ND		0.025	ND		0.024	ND		0.026
Nitrobenzene		ND		0.048	ND		0.048	ND		0.046	ND		0.050
Isophorone		ND		0.035	ND		0.036	ND		0.034	ND		0.037
2-Nitrophenol		ND		0.045	ND		0.045	ND		0.043	ND		0.047
Benzoic acid		ND		0.051	ND		0.051	ND		0.049	ND		0.053
2,4-Dichlorophenol		ND		0.025	ND		0.026	ND		0.024	ND		0.026
Naphthalene		0.032	J	0.023	ND		0.023	ND		0.022	ND		0.024
4-Chloroaniline		ND		0.051	ND		0.051	ND		0.049	ND		0.053

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the RL and above the MDL
Continued on Next Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Atlantic Environmental Solutions, Inc.
Project: 547 10TH AVE.
Lab Case No.: E10-10074

	Lab ID:	10074-001			10074-002			10074-004			10074-005		
	Client ID:	SB-2-5			SB-2-12			SB-4-5			SB-4-13		
	Depth:	5			12			5			13		
	Matrix:	Soil			Soil			Soil			Soil		
	Sampled Date:	10/6/10			10/6/10			10/6/10			10/6/10		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Semivolatiles - BNA (Units)		*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
4-Chloro-3-methylphenol		ND		0.054	ND		0.054	ND		0.052	ND		0.056
2-Methylnaphthalene		ND		0.026	0.054	J	0.026	ND		0.025	ND		0.027
2,4,5-Trichlorophenol		ND		0.035	ND		0.036	ND		0.034	ND		0.037
2-Nitroaniline		ND		0.029	ND		0.029	ND		0.028	ND		0.031
Dimethyl phthalate		ND		0.048	ND		0.048	ND		0.046	ND		0.050
2,6-Dinitrotoluene		ND		0.023	ND		0.023	ND		0.022	ND		0.024
Acenaphthylene		0.068	J	0.029	ND		0.029	0.039	J	0.028	ND		0.030
3-Nitroaniline		ND		0.054	ND		0.054	ND		0.052	ND		0.056
Acenaphthene		0.046	J	0.026	ND		0.026	ND		0.025	ND		0.027
2,4-Dinitrophenol		ND		0.045	ND		0.045	ND		0.043	ND		0.047
4-Nitrophenol		ND		0.060	ND		0.060	ND		0.058	ND		0.063
Dibenzofuran		ND		0.032	ND		0.032	ND		0.031	ND		0.034
Diethyl phthalate		ND		0.023	ND		0.023	ND		0.022	ND		0.024
Fluorene		0.036	J	0.024	ND		0.025	ND		0.024	ND		0.026
Hexachlorobenzene		ND		0.022	ND		0.023	ND		0.022	ND		0.023
Pentachlorophenol		ND		0.023	ND		0.023	ND		0.022	ND		0.024
Phenanthrene		0.569		0.023	0.047	J	0.023	0.147		0.022	ND		0.024
Anthracene		0.167		0.040	ND		0.040	ND		0.038	ND		0.042
Di-n-butyl phthalate		ND		0.028	ND		0.028	ND		0.027	ND		0.029
Fluoranthene		1.65		0.023	0.079		0.023	0.462		0.022	ND		0.024
Pyrene		1.30		0.024	0.073	J	0.025	0.345		0.024	ND		0.026
Butyl benzyl phthalate		ND		0.055	ND		0.056	ND		0.053	ND		0.058
3,3'-Dichlorobenzidine		ND		0.033	ND		0.033	ND		0.032	ND		0.034
Benzo[a]anthracene		0.964		0.031	0.077	J	0.031	0.272		0.030	ND		0.032
Chrysene		0.948		0.043	0.056	J	0.043	0.316		0.041	ND		0.045
Bis(2-ethylhexyl) phthalate		ND		0.051	ND		0.051	0.391		0.049	ND		0.053
Di-n-octyl phthalate		ND		0.075	ND		0.076	ND		0.072	ND		0.079
Benzo[b]fluoranthene		0.809		0.026	ND		0.026	ND		0.025	ND		0.027
Benzo[k]fluoranthene		1.06		0.031	ND		0.031	ND		0.030	ND		0.032
Benzo[a]pyrene		1.19		0.032	ND		0.032	ND		0.031	ND		0.034
Indeno[1,2,3-cd]pyrene		0.343		0.023	ND		0.023	ND		0.022	ND		0.024
Dibenz[a,h]anthracene		0.201		0.025	ND		0.025	ND		0.024	ND		0.026
Benzo[g,h,i]perylene		0.350		0.028	ND		0.028	ND		0.027	ND		0.029
TOTAL BNA'S:		9.73	J		0.386	J		1.97	J		ND		

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the RL and above the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

SUMMARY INVESTIGATION REPORT

Former UST System Investigation
547-551 10th Avenue,
New York, NY
Tax Block 1069, Lots 29 and 34
NYSDEC Spill Case #: 9503865

Prepared for
Solil Management, LLC.
640 Fifth Avenue, 3rd Floor
New York, NY 10019

Prepared by:

Atlantic Environmental Solutions, Inc.
5 Marine View Plaza, Suite 303
Hoboken, New Jersey 07030

March 2011

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

1.0 INTRODUCTION

On behalf of Solil Management, LLC, Atlantic Environmental Solutions, Inc., (AESI) prepared a Phase I Environmental Site Assessment for the property located at 547-551 10th Avenue, New York, New York at the request of the New York State Department of Environmental Conservation (NYSDEC). The Phase I report was prepared and submitted to the NYSDEC in lieu of a record search report per Appendix 3A of the Technical Guidance for Site Investigation and Remediation (DER-10).

During preparation of the Phase I, AESI identified a number of Recognized Environmental Conditions (RECs) warranting further investigation. These RECs included an open discharge case (#9503865) relating to the removal of gasoline underground storage tanks (USTs) in 1995 and two (2) in-ground hydraulic lifts inside the former auto service shop.

On September 3, 2010, the NYSDEC issued a letter requesting the following:

1) Submission of a Scaled Site Map
2) Delineation of Possible Soil Contamination in the Area of Hydraulic Lifts
3) Delineation of Soil and Groundwater Contamination via Installation of Monitoring Wells Around the Former Gasoline Tank Systems

The Scaled Site Map (Figure 2) and a summary investigation report (SIR) detailing the investigation of the hydraulic lifts were submitted for review by the NYSDEC in October 2009. An Investigation Work Plan (IWP) detailing the proposed investigation of the former gasoline tank system was also submitted at that time. The IWP was approved by the NYSDEC in a letter dated November 10, 2010.

2.0 SUMMARY OF INVESTIGATION ACTIVITIES

On January 3, 2011, AESI mobilized to the property to perform the soil and groundwater investigation outlined in the IWP. The aim of the investigation was to determine if soil or groundwater contamination were present within the vicinity of the former UST system at the subject property.

2.1 Soil Boring Activities

AESI advanced three (3) soil borings within the former UST system area and a fourth boring to the south of the former auto repair shop as directed by the NYSDEC. Boring locations are shown on figure 2 and soil boring logs are included as Appendix A.

Each boring was advanced to approximately 27 feet below ground surface. An organic decomposition or peat layer was identified at that depth. Due to the possibility of contamination in the shallow aquifer, and the likelihood that the peat layer was acting as a confining layer, the soil borings were not advanced any further.

Soils encountered at each boring location were field screened with a Photoionization Detector (PID) for the presence of volatile organics and both the deepest dry soil sample and the sample exhibiting the highest PID reading were submitted to a New York certified laboratory for analysis of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).

2.2 Monitoring Well Construction

Upon the completion of split spoon sampling in each location, an auger was used to increase the diameter of the hole to facilitate monitoring well construction. Due to the presence of the peat confining layer all four (4) monitoring wells were set at a depth of approximately 25 feet below ground surface. Each boring was backfilled to 25 feet with drillers sand and then a well screen and casing was installed. Each well was constructed with 15 feet of screen and 10 feet of casing and was completed with a locking cap and flush mounted well pad. Each well was surveyed for location and elevation by a land surveyor to assist in the preparation of groundwater flow direction maps.

Each monitoring well was developed using a peristaltic pump and development water was drummed on site for future disposal.

2.3 Groundwater Sample Collection

On January 19, 2011, AESI returned to the site to collect groundwater samples from the monitoring wells. Each well was accessed, field screened, gauged and purged. Purge water was filtered through carbon to remove volatile contaminants prior to release to the site surface.

Samples were collected from each monitoring well and submitted to a New York certified laboratory for analysis of volatile organic compounds (VOCs) and semi volatile organic compounds (SVOCs).

3.0 LABORATORY ANALYTICAL RESULTS – JANUARY 2011

3.1 Soil Sample Analytical Results

A total of seven soil samples were submitted to Integrated Analytical Laboratories of Randolph, New Jersey for analysis of VOCs and SVOCs. Samples were analyzed for parameters from the rescinded Technical and Administrative Guidance Memorandum (TAGM) #4046 and results were compared to Soil Cleanup Objectives (SCO) outlined in Commissioners Policy 51 (CP-51), October 2010.

Analysis of the soil samples identified elevated concentrations of both volatile and semi volatile contaminants in the site soil. Semi-volatile contaminants identified in the site soils are consistent with historic fill material contamination and are unlikely to indicate a discharge at the site. However, volatile contaminants identified in the site soils are consistent with a gasoline discharge. Benzene was identified slightly in excess of the SCO of 0.06 parts per million (ppm)

in four (4) of the seven (7) soil samples. Ethylbenzene and total Xylenes were also identified slightly in excess of their respective standards. Please refer to Section 4 for Conclusions and Recommendations. Figure 3 shows the sample locations and the laboratory data report is included as Appendix B.

3.2 Groundwater Sample Analytical Results

Four (4) groundwater samples were collected at the site on January 19, 2011. These samples were delivered to Integrated Analytical Laboratories of Randolph, New Jersey for analysis of VOCs and SVOCs.

Laboratory analysis of the groundwater samples did not identify any SVOCs in excess of the groundwater standards. VOCs were identified in each of the groundwater samples. Methy tert-butyl ether (MTBE) was identified in excess of the standard (10 parts per billion (ppb)) in MW-1, MW-2 and MW-4. Benzene was identified in excess of the standard (0.7ppb) in all four (4) monitoring wells. Ethylbenzene was identified in excess of the standard (5 ppb) in MW-2, MW-3 and MW-4. Total Xylenes were identified in excess of the standard (5 ppb) in MW-2 and MW-3. Please refer to Section 3 for Conclusions and Recommendations. Figure 2 shows the location of the monitoring wells, Figure 4 show the groundwater sample results and the laboratory data report is included as Appendix C.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Analyses of soil samples collected within the former UST system identified petroleum contamination in excess of the most stringent NYSDEC Soil Cleanup Objective (SCO). Contamination was identified in samples collected at the water table (approximately 13 feet) and in sample collected up to 22 feet below grade. Further investigation is required to fully delineate the soil contamination. Figure 3 shows the VOC results of the soil samples.

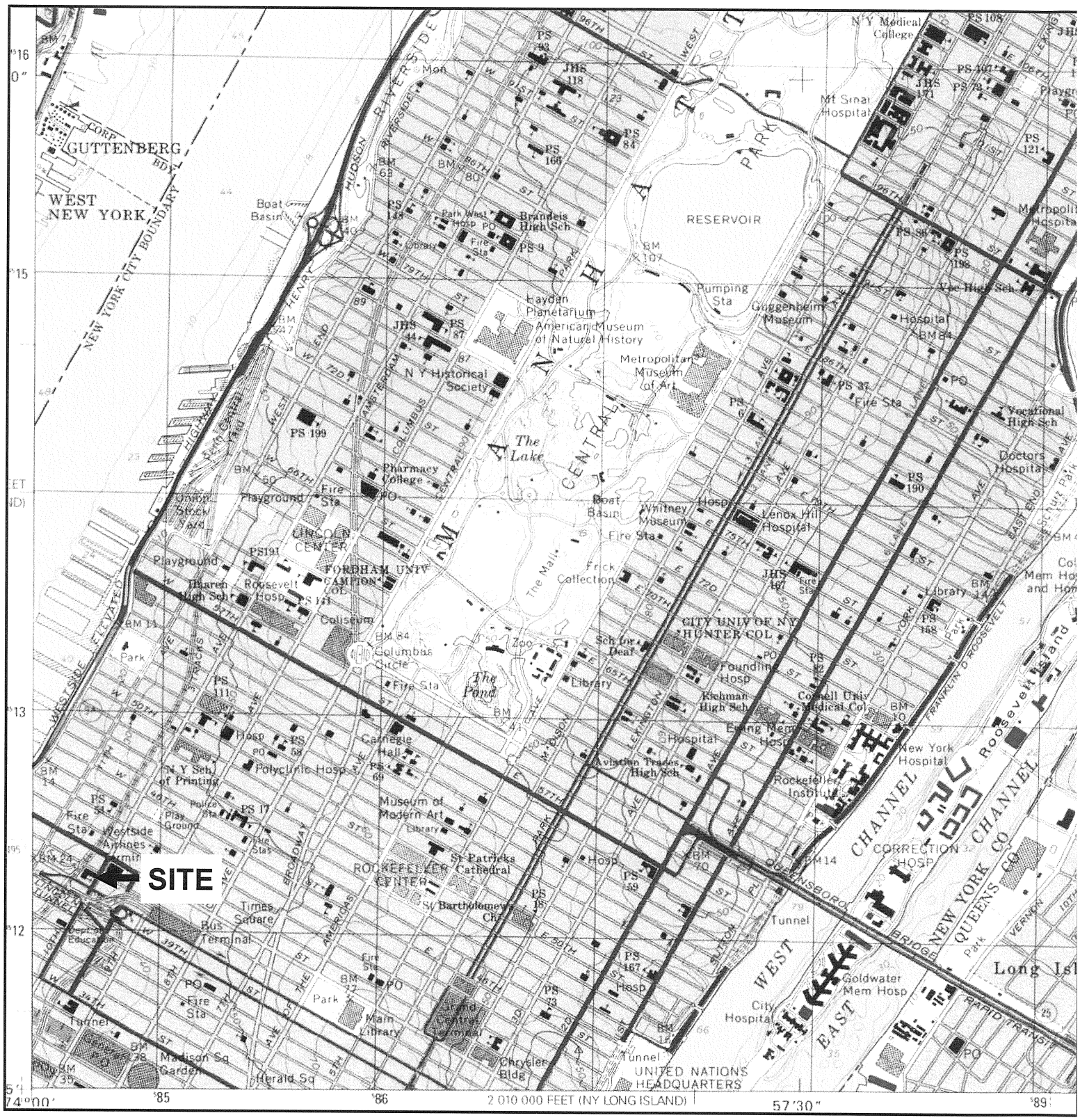
Semi volatile organic compounds identified in the soil samples are indicative of fill material commonly used to raise the elevations of properties throughout New York City in the early 20th Century. No further action is recommended for the SVOC contamination in soils in this area.

Groundwater samples collected at the site indicate that petroleum contamination is present in excess of the groundwater standards. Figure 4 shows the concentration of compounds of concern in each monitoring well, and groundwater flow across the site from the south west (MW-4) to the north east (MW-1) is shown in Figure 5. As shown in Figure 4, the highest concentrations of benzene in the groundwater are identified in MW-1 and MW-3. The highest concentration of MTBE is identified in MW-2. MW-4, the upgradient monitoring well, shows much lower concentrations of petroleum contaminants. It is likely that the source of the petroleum contamination is located within the former UST field, between monitoring wells MW-1, MW-2 and MW-3 and that contamination in MW-4 is a result of fluctuations in groundwater flow.

AESI recommends that additional investigation be conducted to delineate the extent of the soil and groundwater contamination prior to defining a remediation strategy. A subsurface investigation should be conducted to delineate the soil and groundwater contamination across the site.

FIGURES

Historical Topographic Map



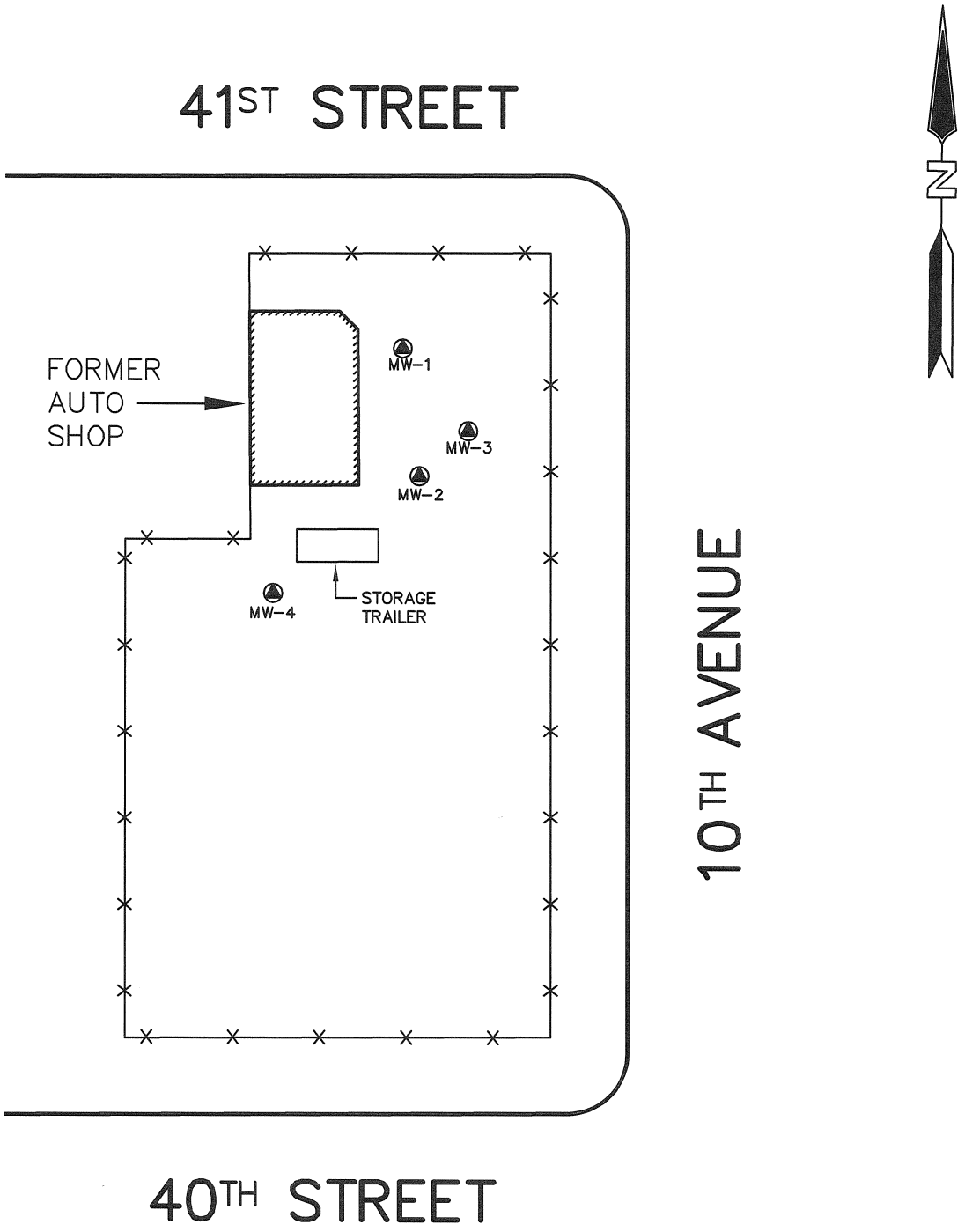
Target Quad: Central Park
Series: 7.5
Scale: 1:24000

N

Commercial Property
547-551 Tenth Avenue
New York, New York

Figure 1: Site Location Map

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey



WELL	METAL	PVC
MW-1	99.16	98.77
MW-2	99.47	99.20
MW-3	99.39	99.10
MW-4	99.84	99.53

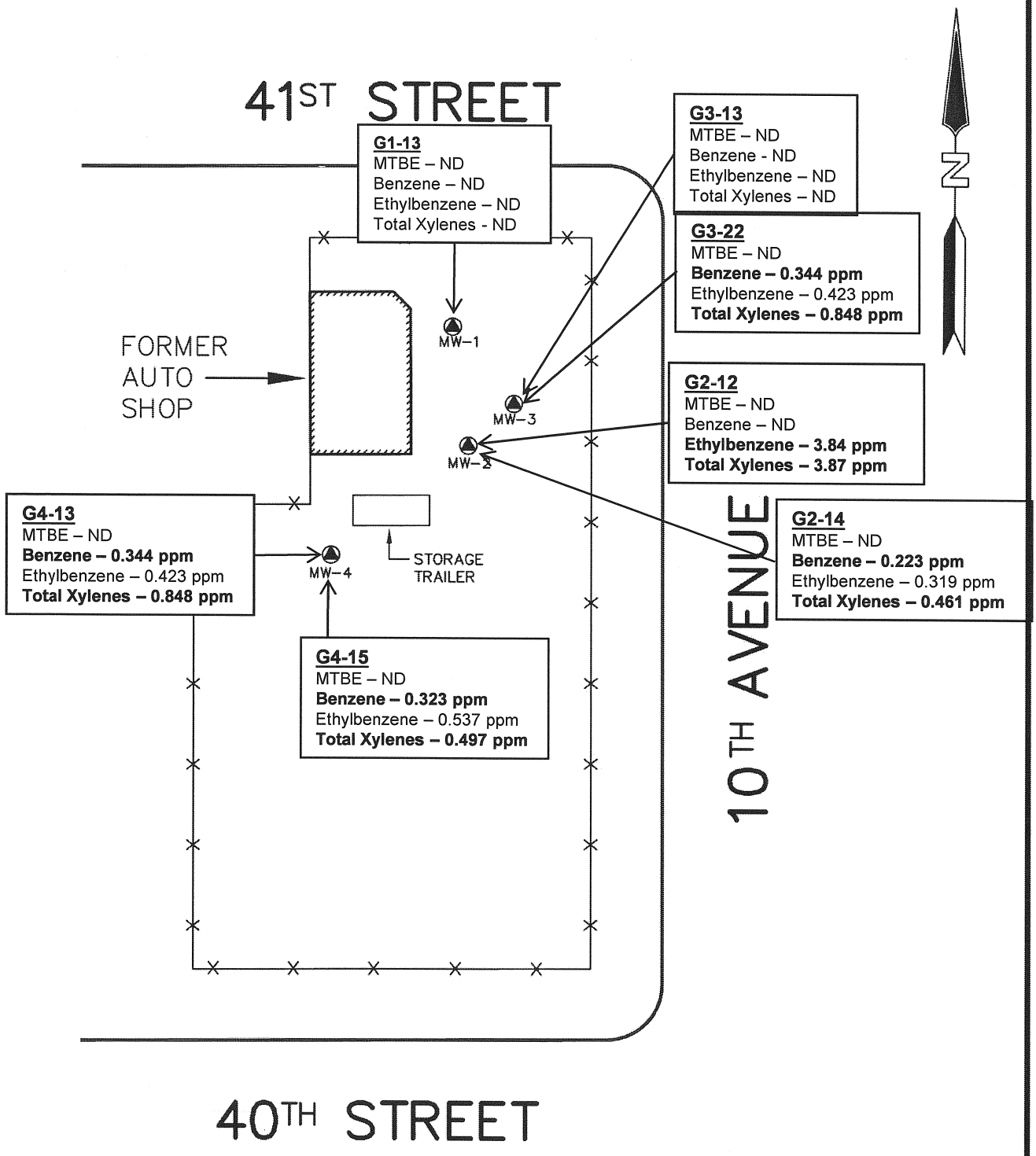
547 10TH AVENUE
NEW YORK, NJ

FIGURE 2	SCALE: 1"=40'±

MONITORING WELL LOCATION

ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.
5 MARINEVIEW PLAZA – SUITE 303
HOBOKEN, NEW JERSEY 07030

A2010-12.DWG



NYSDEC CP51 SCO
MTBE – 0.93 ppm
Benzene – 0.06 ppm
Ethylbenzene – 1 ppm
Total Xylenes – 0.26 ppm

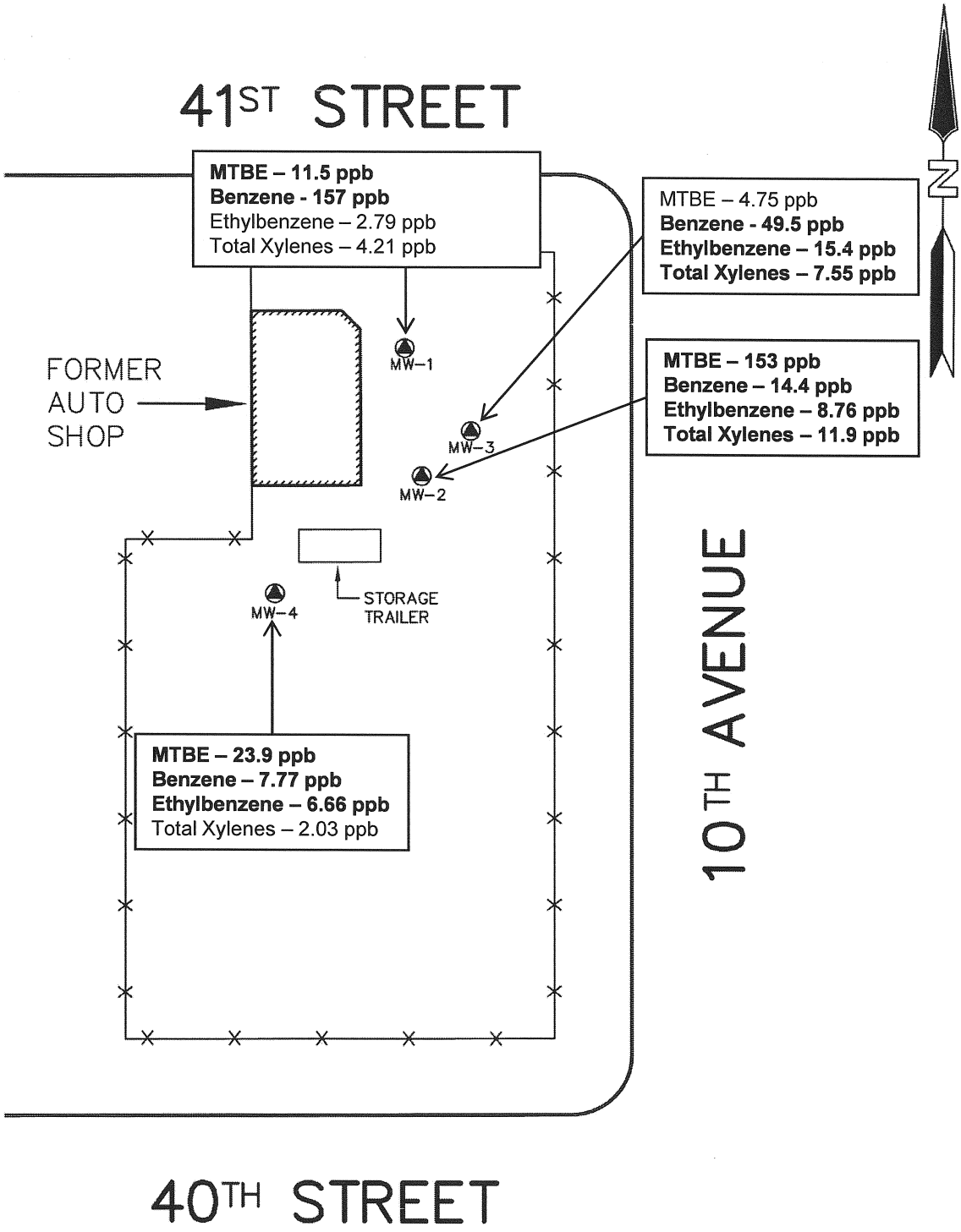
A2010-12.DWG

547 10TH AVENUE
NEW YORK, NJ

FIGURE 3	SCALE: 1"=40'±

SOIL SAMPLE RESULTS - 1/19/2011

ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.
5 MARINEVIEW PLAZA – SUITE 303
HOBOKEN, NEW JERSEY 07030



NYSDEC GROUNDWATER STANDARD
MTBE – 10 ppb
Benzene – 0.7 ppb
Ethylbenzene – 5 ppb
Total Xylenes – 5 ppb

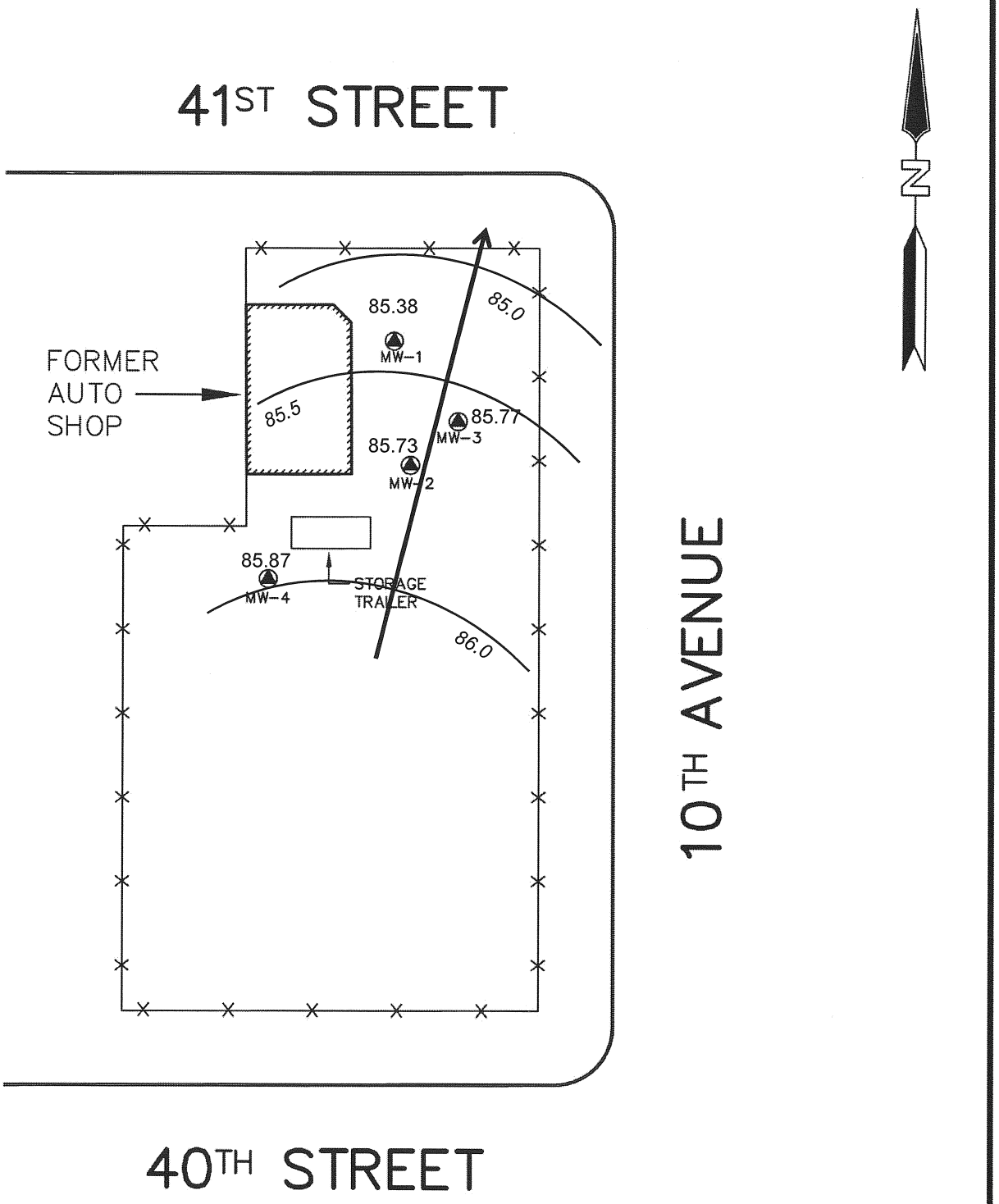
547 10TH AVENUE
NEW YORK, NJ

FIGURE 4	SCALE: 1"=40'±

GROUNDWATER SAMPLE RESULTS - 1/19/2011

ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.
5 MARINEVIEW PLAZA – SUITE 303
HOBOKEN, NEW JERSEY 07030

A2010–12.DWG



85.87 = Groundwater Elevation (ft)

547 10TH AVENUE NEW YORK, NJ	
FIGURE 5	SCALE: 1"=40'±
GROUNDWATER FLOW DIRECTION - 1/19/2011	
ATLANTIC ENVIRONMENTAL SOLUTIONS, INC. 5 MARINEVIEW PLAZA – SUITE 303 HOBOKEN, NEW JERSEY 07030	

A2010-12.DWG

TABLES

TABLE 1
UST System Soil Sample Results, January 3, 2011
547-551 10th Avenue, New York, New York

Client ID:	Most Stringent	G1-13	G2-12	G2-14	G3-13	G3-22	G4-13	G4-15
Sample Depth:	NYSDEC Soil	13	12	14	13	22	13	15
Date Sampled:	Cleanup Objective	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011	01/03/2011
Matrix:	(CP-51)	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	ppm							
Volatiles (ppm)		Conc	Conc	Conc	Conc	Conc	Conc	Conc
Methyl tert-butyl ether (MTBE)	0.93	ND	ND	ND	ND	ND	ND	ND
Benzene	**0.06**	ND	ND	**0.223**	ND	**0.341**	**0.344**	**0.323**
Trichloroethene	NS	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	ND	ND	ND	ND	0.274	0.3	0.269
Tetrachloroethene	NS	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**1**	ND	**3.84**	0.319	ND	0.372	0.423	0.537
Total Xylenes	**0.26**	ND	**3.87**	**0.461**	ND	**0.468**	**0.848**	**0.497**
TOTAL VO's:	NA	ND	7.71	1	ND	1.46	1.92	1.63
Semivolatiles - BNA (ppm)								
Naphthalene	12	0.257	3.03	4.77	2.2	2.36	1.74	0.7
2-Methylnaphthalene	**0.41**	**1.49**	**2.39**	**2.03**	**3.03**	**3.22**	**1.8**	0.332
Acenaphthylene	100	0.062	ND	2.28	0.064	0.059	0.577	ND
Acenaphthene	20	0.670	0.061	1.48	0.061	0.083	0.65	0.071
Dibenzofuran	NS	0.435	0.047	2.5	0.046	0.054	0.4	ND
Fluorene	30	0.817	0.097	2.41	0.096	0.109	0.828	0.064
Phenanthrene	100	2.2	0.309	32.7	0.323	0.488	9.14	0.201
Anthracene	100	0.430	0.137	3.98	0.129	0.150	1.75	ND
Di-n-butyl phthalate	NS	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	0.422	0.321	36.1	0.424	0.557	9.14	0.092
Pyrene	100	0.447	0.356	32	0.428	0.532	8.91	0.099
Butyl benzyl phthalate	100	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	NS	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	**1**	0.143	0.175	**16.2**	0.249	0.291	**4.80**	0.049
Chrysene	**1**	0.156	0.192	**19.1**	0.282	0.355	**5.5**	0.047
Bis(2-ethylhexyl) phthalate	50	0.083	0.116	ND	0.117	ND	0.197	ND
Di-n-octyl phthalate	100	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	**1**	0.098	0.158	**14**	0.235	0.289	**3.04**	ND
Benzo[k]fluoranthene	**0.8**	0.099	0.219	**13.8**	0.233	0.282	**3.05**	ND
Benzo[a]pyrene	**1**	0.098	0.217	**16.5**	0.27	0.328	**4.17**	ND
Indeno[1,2,3-cd]pyrene	**0.5**	0.054	0.149	**9.17**	0.183	0.228	**1.99**	ND
Dibenz[a,h]anthracene	**0.33**	ND	0.054	**3.58**	0.089	ND	0.091	**0.845**
Benzo[g,h,i]perylene	100	0.058	0.172	9.77	0.2	0.256	2.17	ND
TOTAL BNA'S:	NA	8.02	8.2	222	8.66	ND	ND	ND

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the RL and above the MDL

All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

TABLE 2 - Purge Guide
574 10th Avenue, Manhattan, New York

Date/Time:	1/19/2011 6:15			
Weather:	Temp. 27° F, sunny, up to 35° F			
Well Permit #:				
Well#:	**MW-1**	**MW-2**	**MW-3**	**MW-4**
Key #:				
Pre-Purge Data:				
PID / **OVM** Reading (mu):	32	0	0	2.7
Product Thickness (ft):	0	0	0	0
Depth to Water (ft):	13.39	13.47	13.33	13.66
Total Depth of Well (ft):	23.54	23.57	22.56	24.47
Well diameter (in):	2	2	2	2
Volume of water in well (gallons):	1.65	1.65	1.50	1.76
Volume of water to purge (x3)(gallons):	4.96	4.94	4.51	5.29
pH:	6.78	6.69	6.94	6.48
Oxygen Reduction Potential (mV):	30.6	34.6	22.9	45.4
Specific conductivity (uS):	2040	2010	2200	3340
Turbidity (ntu):	299	328	247	112
Dissolved oxygen (mg/L):	2.6	2.4	2.3	2.63
Temperature (°C):	17.4	16.4	17.9	15.3
Post-Purge Data:				
Purge Start Time:	10:20	8:26	7:42	9:28
Purge Stop Time:	10:44	8:57	8:08	9:57
Purge Method:	pump	pump	pump	pump
Purge Rate (gpm):	0.21	0.16	0.19	0.21
Total Volume Purged (gallons):	5	5	5	6
Depth to Water After Purge (ft):	14.25	20	13.91	16.00
pH:	6.68	6.82	6.29	6.43
Oxygen Reduction Potential (mV):	35.4	29.6	54.8	48.0
Specific conductivity (uS):	1800	1770	2010	3840
Turbidity (ntu):	237	609	32	186
Dissolved oxygen (mg/L):	2.1	3.9	3.3	2.5
Temperature (°C):	16.8	15.1	17.7	15
Before Sampling Data:				
Depth to Water Before Sampling (ft):	14.01	15.5	13.81	14.96
Sampling Start Time:	10:53	9:12	8:11	10:05
After Sampling Data:				
Sampling End Time:	11:00	9:21	8:19	10:14
Depth to Water After Sampling (ft):	14.10	17.55	13.68	14.96
pH:	6.79	6.72	6.49	6.57
Oxygen Reduction Potential (mV):	29.5	33.1	45.3	40.6
Specific conductivity (uS):	1750	2400	1980	3620
Turbidity (ntu):	159	341	119	191
Dissolved oxygen (mg/L):	2.5	2.9	2.3	2.7
Temperature (°C):	17	15.1	17.9	14.9
Sample Method:	bailer	bailer	bailer	bailer
Field Observations				
Recharge Rate (gpm)	0.20	0.06	0.10	0.15
Sheen	yes	no	no	yes
Odor	yes	yes	yes	yes
Turbidity	no	yes	no	no

Notes:

Pump = The purge device used was a peristaltic pump w/ dedicated tubing
Bailer = The sampling device used was a disposable, dedicated bailer.
mu - meter units, uS - micro Siemens, mS - milli Siemens, ntu - nephlometric turbidity units
mg/l - milligrams per liter, gpm - gallons per minute, °C - degrees Celsius, °F - degrees Fahrenheit
ft - feet below top of PVC casing
Wells sampled for TAGM VOCs & SVOCS (NYSDEC) w/ field & trip blanks

Table 3 - Groundwater Sample Results
547 10th Avenue, New York, NY

	Client ID:	TAGM 4046	MW-1	MW-2	MW-3	MW-4
	Sample Depth:	GW				
	Lab ID:	Standards/	00506-001	00506-002	00506-003	00506-004
	Date Sampled:	Criteria	01/19/2011	01/19/2011	01/19/2011	01/19/2011
	Matrix:	(ppb)	Aqueous	Aqueous	Aqueous	Aqueous
Volatiles+MTBE (ppb)			Conc	Conc	Conc	Conc
Acetone		50	19.5	9.65	ND	9.78
Methyl tert-butyl ether (MTBE)		10	**11.5**	**153**	4.75	**23.9**
Benzene		0.7	**157**	**14.4**	**49.5**	**7.77**
Trichloroethene		5	ND	ND	ND	ND
Toluene		5	2.05	0.595	1.99	0.829
Tetrachloroethene		5	ND	ND	ND	ND
Ethylbenzene		5	2.79	**8.76**	**15.4**	**6.66**
Total Xylenes		5	4.21	**11.9**	**7.55**	2.03
TOTAL VO's:		NA	197	198	79.2	51.0
Semivolatiles - BNA (ppb)						
Phenol		1	ND	ND	ND	ND
Aniline		5	ND	ND	ND	ND
2-Chlorophenol		50	ND	ND	ND	ND
2-Methylphenol		5	ND	ND	ND	ND
4-Methylphenol		50	ND	3.84	ND	ND
Nitrobenzene		5	ND	ND	ND	ND
Isophorone		50	ND	ND	ND	ND
2-Nitrophenol		5	ND	ND	ND	ND
Benzoic acid		50	ND	ND	ND	ND
2,4-Dichlorophenol		1	ND	ND	ND	ND
Naphthalene		10	3.02	6.81	5.71	4.54
4-Chloroaniline		5	ND	ND	ND	ND
4-Chloro-3-methylphenol		5	ND	ND	ND	ND
2-Methylnaphthalene		50	0.901	2.36	1.35	2.32
2,4,5-Trichlorophenol		1	ND	ND	ND	ND
2-Nitroaniline		5	ND	ND	ND	ND
Dimethyl phthalate		50	ND	ND	ND	ND
2,6-Dinitrotoluene		5	ND	ND	ND	ND
Acenaphthylene		20	ND	ND	ND	ND
3-Nitroaniline		5	ND	ND	ND	ND
Acenaphthene		20	0.600	ND	ND	2.16
2,4-Dinitrophenol		5	ND	ND	ND	ND
4-Nitrophenol		5	ND	ND	ND	ND
Dibenzofuran		5	ND	ND	ND	0.963
Diethyl phthalate		50	ND	ND	ND	ND
Fluorene		50	0.422	ND	0.405	1.37
Hexachlorobenzene		0.35	ND	ND	ND	ND
Pentachlorophenol		1	ND	ND	ND	ND
Phenanthrene		50	ND	0.493	ND	2.29
Anthracene		50	ND	ND	ND	0.541
Di-n-butyl phthalate		50	0.317	ND	ND	ND
Fluoranthene		50	ND	ND	ND	0.519
Pyrene		50	ND	ND	ND	0.347
Butyl benzyl phthalate		50	ND	ND	ND	ND
3,3'-Dichlorobenzidine		(NA)	ND	ND	ND	ND
Benzo[a]anthracene		0.002	ND	ND	ND	ND
Chrysene		0.002	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate		50	0.800	ND	ND	ND
Di-n-octyl phthalate		50	ND	ND	ND	ND
Benzo[b]fluoranthene		0.002	ND	ND	ND	ND
Benzo[k]fluoranthene		0.002	ND	ND	ND	ND
Benzo[a]pyrene		0.002	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene		0.002	ND	ND	ND	ND
Dibenz[a,h]anthracene		50	ND	ND	ND	ND
Benzo[g,h,i]perylene		5	ND	ND	ND	ND
TOTAL BNA'S:		NA	6.06	13.5	7.47	15.1

SB = Site Background
NA = Not Available
~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the RL and above the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

APPENDIX A
Soil Boring Logs

Atlantic Environmental Solutions, Inc.

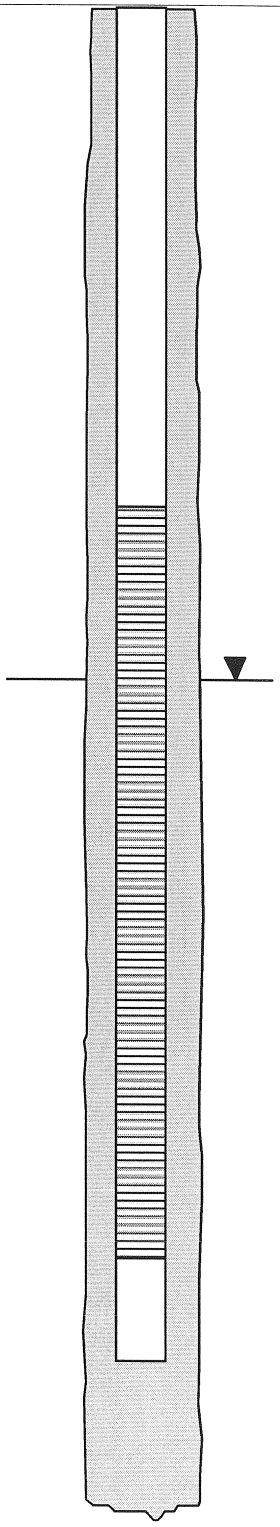
5 Marine View Plaza, Suite 303, Hoboken, New Jersey 07030
Phone: (201) 876 9400 Fax: (201) 876 9563

Boring for Location: MW-1

Permit #: N/A	**Location:** Former UST System		**G.W. Encountered:** 13.5'	**Static Water:** 13'
Site Name: 547-551 10th Ave	**Project:** 30170	**Case #:** 9503865	**Boring - Depth:** 27'	**Diameter:** 2"
Owner: Solil Management	**Use:** Soil & Groundwater Sampling		**Casing - Length:** 10'	**Diameter:** 2"
Boring Drill Date: 1/3/11	**Type:** Grab		**Screen - Length:** 15'	**Diameter:** 2"
Boring Driller: AESI	**Purge Method:** Pump		**Screen Type:** sch 40	
Boring Rig: Geoprobe	**Sample Method:** Bailer		**Bentonite:** 10'	
Driller/Helper: Paul Recchia/Wayne Bolger	**Sample Parameters:** VOC's, SVOC's		**Sand Pack:** 25'	
Sampling Method: Split Spoon	**Sampler:** S. Kelly		**Depth to PVC Rim:** N/A	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Blows/12.0"	Recovery (in)	Soil Type	Soil/Geologic Description
1						Asphalt
5		10				Sandy fill material
10		15				Sandy Fill Material
13						Deepest dry soil sample (G1-13) collected at 13 ft
14						Groundwater encountered @ 13.5ft
15		50				Sandy fill material - slight odor
20		0				wet silty sand soil - slight odor
25		12				wet silty sand - slight odor
26						MW-1 set at 25 feet to avoid pushing contamination through confining peat layer
27		0				Peat Layer/organic decomposition - no petroleum odor

Boring Diagram



Atlantic Environmental Solutions, Inc.

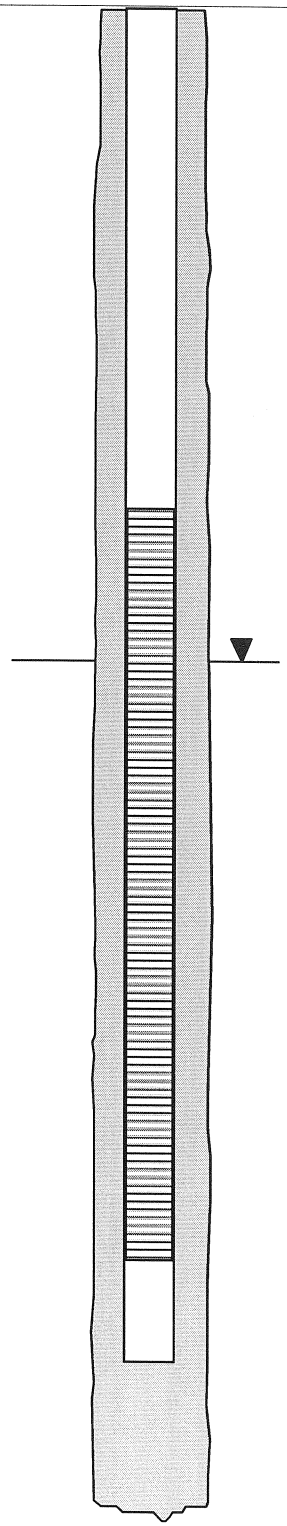
5 Marine View Plaza, Suite 303, Hoboken, New Jersey 07030
Phone: (201) 876 9400 Fax: (201) 876 9563

Boring for Location: MW-2

Permit #: N/A	**Location:** Former UST System		**G.W. Encountered:** 13'	**Static Water:** 13'
Site Name: 547-551 10th Ave	**Project:** 30170	**Case #:** 9503865	**Boring - Depth:** 27'	**Diameter:** 2"
Owner: Solil Management	**Use:** Soil & Groundwater Sampling		**Casing - Length:** 10'	**Diameter:** 2"
Boring Drill Date: 1/3/11	**Type:** Grab		**Screen - Length:** 15'	**Diameter:** 2"
Boring Driller: AESI	**Purge Method:** Pump		**Screen Type:** sch 40	
Boring Rig: Geoprobe	**Sample Method:** Bailer		**Bentonite:** 10'	
Driller/Helper: Paul Recchia/Wayne Bolger	**Sample Parameters:** VOC's, SVOC's		**Sand Pack:** 25'	
Sampling Method: Split Spoon	**Sampler:** S. Kelly		**Depth to PVC Rim:** N/A	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Blows/12.0"	Recovery (in)	Soil Type	Soil/Geologic Description
1						Asphalt
5		10				Clean Stone backfill
10		15				Clean Stone backfill
12		290				Strong Petroleum Odor @ 12 ft Deepest dry soil sample (G2-12) collected @ 12 ft
13						Groundwater encountered @ 13 ft
14		65				Soil sample G2-14 collected @ 14 ft
15		15				Fill material, brick, rubble - petroleum odor
20		15				wet silty sand/clay - slight petroleum odor
25		10				wet silty sand - slight odor MW-2 set at 25 feet to avoid pushing contamination through confining peat layer
27		4				Peat Layer/organic decomposition - no petroleum odor

Boring Diagram



Atlantic Environmental Solutions, Inc.

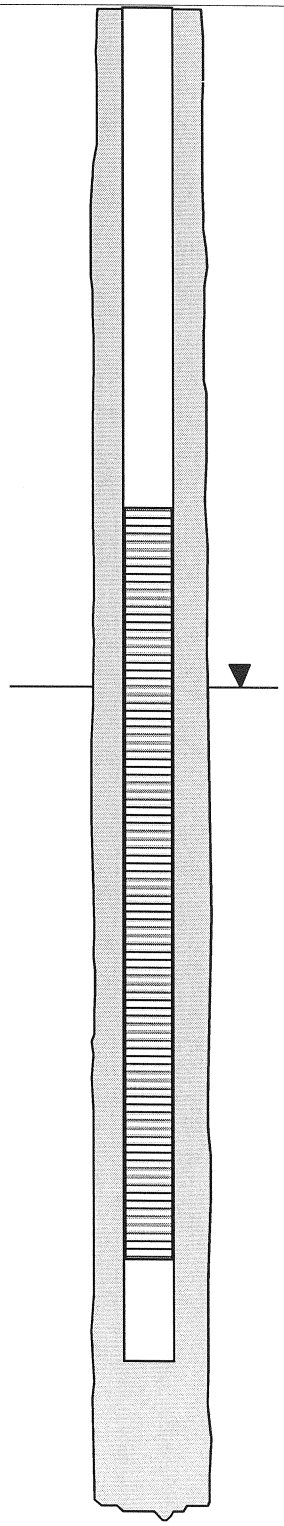
5 Marine View Plaza, Suite 303, Hoboken, New Jersey 07030
Phone: (201) 876 9400 Fax: (201) 876 9563

Boring for Location: MW-3

Permit #: N/A	**Location:** Former UST System		**G.W. Encountered:** 13.5'	**Static Water:** 13.5'
Site Name: 547-551 10th Ave	**Project:** 30170	**Case #:** 9503865	**Boring - Depth:** 27'	**Diameter:** 2"
Owner: Solil Management	**Use:** Soil & Groundwater Sampling		**Casing - Length:** 10'	**Diameter:** 2"
Boring Drill Date: 1/3/11	**Type:** Grab		**Screen - Length:** 15'	**Diameter:** 2"
Boring Driller: AESI	**Purge Method:** Pump		**Screen Type:** sch 40	
Boring Rig: Geoprobe	**Sample Method:** Bailer		**Bentonite:** 10'	
Driller/Helper: Paul Recchia/Wayne Bolger	**Sample Parameters:** VOC's, SVOC's		**Sand Pack:** 25'	
Sampling Method: Split Spoon	**Sampler:** S. Kelly		**Depth to PVC Rim:** N/A	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Blows/12.0"	Recovery (in)	Soil Type	Soil/Geologic Description
1						Asphalt
5		0				3/4" Clean Stone backfill - unconsolidated
10		0				Clean Stone backfill/sandy fill material
13		50				Deepest dry soil sample, G3-13, collected @ 13 ft Groundwater encountered @ 13.5 ft
15		50				Sandy fill material/wood
20		60				wet silty sand/clay - slight petroleum odor
22		190				wet silty sand/clay - strong petroleum odor Soil sample G3-22 collected @ 20 ft
25		35				wet silty sand - slight odor MW-3 set at 25 feet to avoid pushing contamination through confining peat layer
27		20				Peat Layer/organic decomposition - no petroleum odor

Boring Diagram



Atlantic Environmental Solutions, Inc.

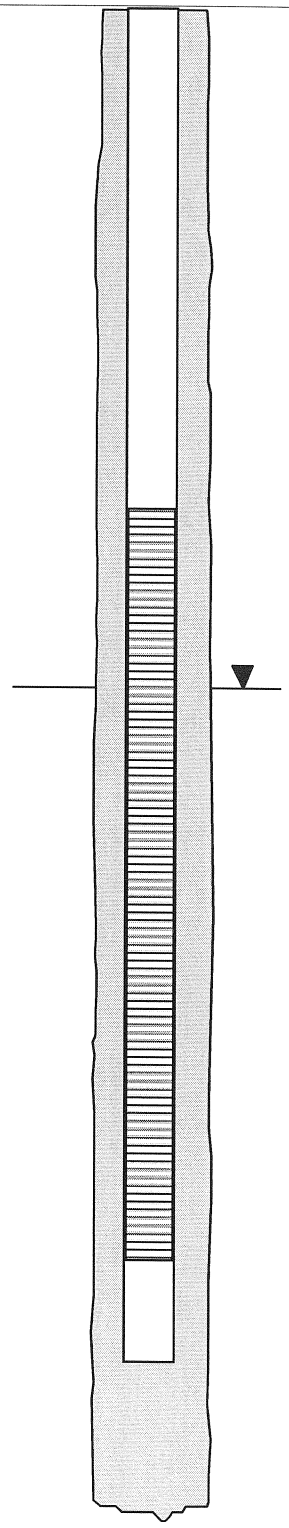
5 Marine View Plaza, Suite 303, Hoboken, New Jersey 07030
Phone: (201) 876 9400 Fax: (201) 876 9563

Boring for Location: MW-4

Permit #: N/A	**Location:** Former UST System		**G.W. Encountered:** 13.5'	**Static Water:** 13.5'
Site Name: 547-551 10th Ave	**Project:** 30170	**Case #:** 9503865	**Boring - Depth:** 27'	**Diameter:** 2"
Owner: Solil Management	**Use:** Soil & Groundwater Sampling		**Casing - Length:** 10'	**Diameter:** 2"
Boring Drill Date: 1/3/11	**Type:** Grab		**Screen - Length:** 15'	**Diameter:** 2"
Boring Driller: AESI	**Purge Method:** Pump		**Screen Type:** sch 40	
Boring Rig: Geoprobe	**Sample Method:** Bailer		**Bentonite:** 10'	
Driller/Helper: Paul Recchia/Wayne Bolger	**Sample Parameters:** VOC's, SVOC's		**Sand Pack:** 25'	
Sampling Method: Split Spoon	**Sampler:** S. Kelly		**Depth to PVC Rim:** N/A	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Blows/12.0"	Recovery (in)	Soil Type	Soil/Geologic Description
1		0				Fill material/rubble/concrete
5		0				Fill material
10		0				Fill material
12		1				Sandy clay - slight petroleum odor
13		86				Deepest dry soil sample, G4-13, collected @ 13 ft Groundwater encountered @ 13.5 ft
15		840				Soil sample G4-15 collected @ 15 ft Staining, strong petroleum odor @ 15 ft
17		16				sandy clay, slight staining, slight odor
20		3				wet silty sand/clay - slight petroleum odor
22		27				wet silty sand/clay - slight petroleum odor
25		31				wet silty sand - slight odor MW-4 set at 25 feet to avoid pushing contamination through confining peat layer
27		25				Peat Layer/organic decomposition - no petroleum odor

Boring Diagram



ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

July 29, 2011

Mr. Hiralkumar Patel
NYSDEC
47-40 21st Street
Long Island City, New York 11101

Re: ***Quarterly Groundwater Monitoring Report – June 2011 Sampling Event***
547-551 10th Avenue, New York, NY
Tax Block 1069, Lots 29 and 34
NYSDEC Spill Case No. 9503865

Dear Mr. Patel:

On behalf of the property owner, Solil Management, LLC, Atlantic Environmental Solutions, Inc. (AESI) is providing this Quarterly Groundwater Monitoring Report for the property located at 547-551 10th Avenue in New York, New York ("site" or "subject property"). This report is being provided to address work requested by the New York State Department of Environmental Conservation (NYSDEC) in an April 22, 2011 letter. The NYSDEC requested that a tidal survey and quarterly groundwater monitoring be conducted at the property. Enclosed you will find the results of the June 2011 tidal survey and first quarterly groundwater monitoring event.

Please feel free to contact us at 201-876-9400 if you have any questions.

Very truly yours,

Seamus Kelly
Project Manager

Jeffrey W.Anderson, CHMM
Vice President

CC: Solil Management

ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

GROUNDWATER MONITORING REPORT

547-551 10th Avenue,
New York, NY
Tax Block 1069, Lots 29 and 34
NYSDEC Spill Case #: 9503865

Prepared for
Solil Management, LLC.
640 Fifth Avenue, 3rd Floor
New York, NY 10019

Prepared by:

Atlantic Environmental Solutions, Inc.
5 Marine View Plaza, Suite 303
Hoboken, New Jersey 07030

July 2011

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF GRAPHS

LIST OF APPENDICES

1.0 INTRODUCTION

On behalf of Solil Management, LLC, Atlantic Environmental Solutions, Inc., (AESI) conducted a Summary Investigation Report for the property located at 547-551 10th Avenue, New York, New York, submitted to the New York State Department of Environmental Conservation (NYSDEC) on April 19, 2011.

On April 22, 2011 Mr. Hiralkumar Patel, the NYSDEC Case Manager for the site, issued a letter requesting that a tidal survey be performed at all monitoring wells at the site to document the effect of any tidal changes on the groundwater elevation at the site. Additionally, Mr. Patel requested quarterly groundwater monitoring for Volatile Organic Compounds (VOCs) and Semi Volatile Organic Compounds (SVOCs) in order to "*identify any trend(s) with regard to the achievement of remedial objectives.*" Specifically, the NYSDEC requires four (4) rounds of monitoring to document seasonal changes at the site and determine a site-specific groundwater flow direction.

2.0 SUMMARY OF INVESTIGATION ACTIVITIES

On June 28, 2011 and June 29, 2011, AESI mobilized to the property to perform the tidal survey and quarterly groundwater monitoring requested by the NYSDEC. The aim of the tidal survey was to determine if tidal changes had any effect of the groundwater elevation at the site.

2.1 Tidal Survey Activities

AESI installed pressure transducer data loggers in each of the four (4) monitoring wells at the property. These data loggers, which remained installed for two (2) tidal cycles over 24 hours, were used to identify elevation changes over the tidal sequence. The data loggers were installed at least 3 feet below the groundwater depth at the beginning of the sampling event to ensure they remained within the water bearing zone during the tidal cycle and the transducers were programmed to record the pressure head of water above the probe. Only three (3) of the four (4) monitoring wells located on the site were used for the tidal survey. The fourth monitoring well, MW-4, was found to contain free product, and therefore could not be included in the tidal survey.

The results of the tidal survey are included as Appendix A and a graphical representation of the data is included as Graph 1. As shown in the graph, the water level elevation did not change significantly during the survey period. In fact, the maximum elevation change was 0.2 feet and did not correspond to the tidal cycle. It is assumed that the water elevation change is associated with the traffic flow on 10th Avenue, adjacent to the site, rather than influence of the Hudson River. No further tidal investigation is recommended for this site.

2.2 Groundwater Sample Collection

Following the completion of the tidal survey, AESI returned to the site on June 29, 2011 to collect groundwater samples from the monitoring wells. Each well was accessed, field screened, gauged and purged. Due to the presence of free phase product in MW-4, only three (3) of the wells were sampled. A product sample was collected from MW-4 and submitted for gas chromatography (GC) fingerprinting. Please refer to Appendix B for a copy of GC fingerprint analysis results.

Samples were collected from monitoring wells MW-1, MW-2 and MW-3 and submitted to a New York certified laboratory for analysis of volatile organic compounds (VOCs) and semi volatile organic compounds (SVOCs).

Per the request of the NYSDEC in the April 22, 2011 letter, AESI will continue to conduct quarterly groundwater sampling and, upon receipt of analytical results of the sampling events, will prepare Quarterly Groundwater Monitoring Reports summarizing our findings, for submittal to the NYSDEC.

3.0 LABORATORY ANALYTICAL RESULTS – JUNE 2011

A total of three (3) groundwater samples were submitted to Integrated Analytical Laboratories of Randolph, New Jersey for analysis of VOCs and SVOCs.

Laboratory analysis of the groundwater samples identified slightly elevated concentrations of SVOCs in only one of the wells, MW-2. Benzo[a]anthracene and Chrysene were identified in excess of the standards in MW-2. However, as previously documented in the Summary Investigation Report (April 2011) historic fill contamination exists at the site, and these compounds are indicative of that. It is likely that the presence of these compounds in the groundwater is due to turbidity in the sample.

Groundwater analysis did identify VOCs each of the groundwater samples. Methy tert-butyl ether (MTBE) was identified below the standard (10 parts per billion (ppb)) in MW-1 and MW-3, and in excess of the standard in MW-2 (56.2 ppb). Tert Butyl Alcohol was also identified in excess of the standard (50ppb) in MW-2 (132 ppb). Benzene was identified in each well in excess of the standard (0.7 ppb). Ethylbenzene was identified in excess of the standard (5 ppb) in only MW-1 (5.86 ppb) and Total Xylenes was not identified in excess of the standard (5 ppb) in any of the wells. Please refer to Section 4 for Conclusions and Recommendations. Figure 2 shows the location of the monitoring wells, Figure 3 show the groundwater sample results, Figure 4 shows the groundwater flow direction and the laboratory data report is included as Appendix C.

A sample of product identified in monitoring well MW-4 was submitted to IAL for analysis via gas chromatography. Sample results indicate that the product closely approximates #2 fuel oil and may have been degraded through weathering. Please refer to Appendix B for a copy of the laboratory results.

4.0 CONCLUSIONS AND RECOMMENDATIONS

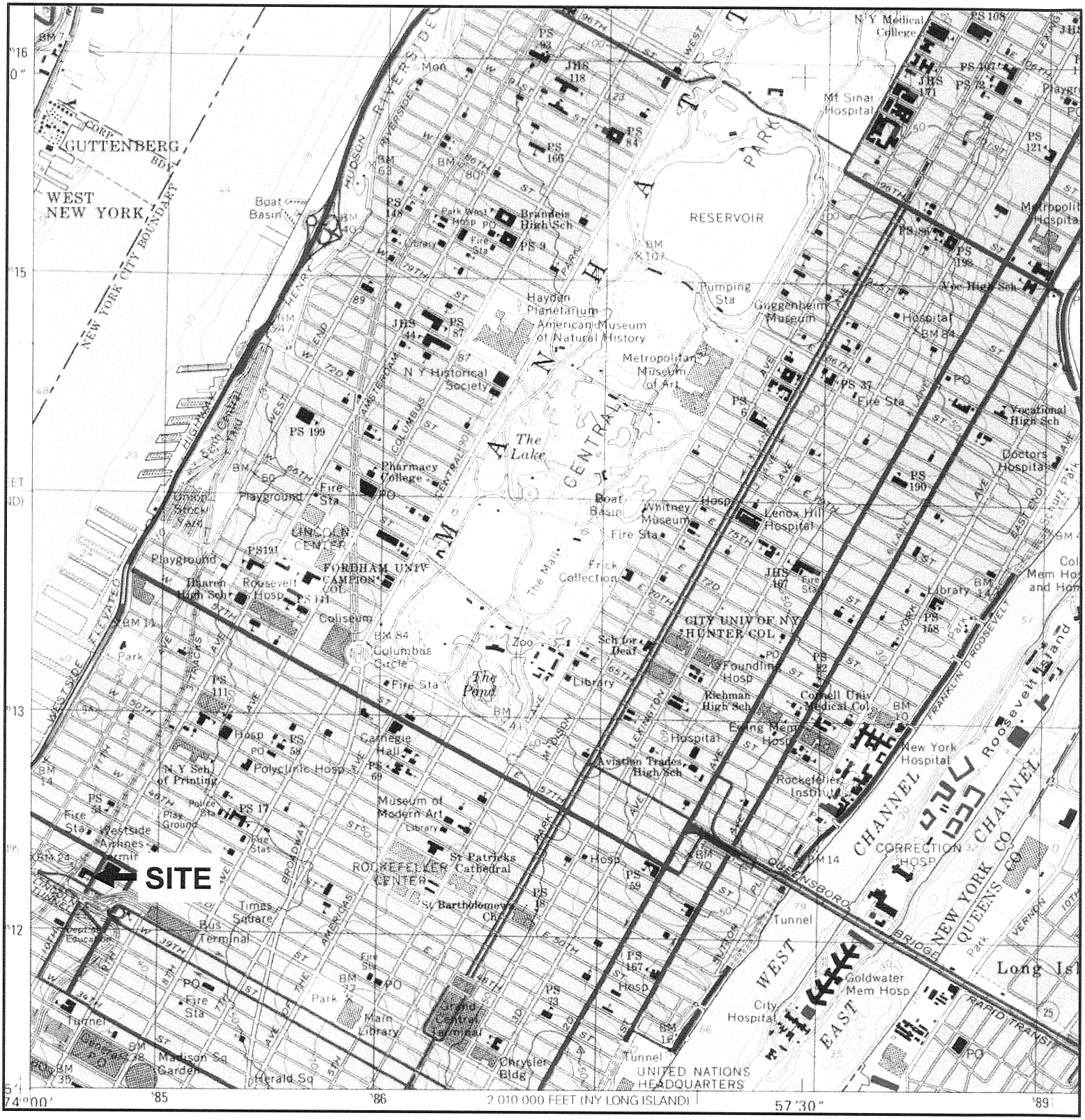
AESI performed a tidal survey at the subject property on June 27 and June 28, 2011. No significant tidal influence was identified at the site. Minor fluctuations in the groundwater elevations were observed, however, these are likely to be associated with traffic movement on 10th Avenue, adjacent to the subject property. No further tidal investigation is recommended for this site.

Groundwater samples were collected from three (3) of the on-site monitoring wells and analyzed for VOCs and SVOC. VOC contamination in excess of the standards was identified in each of the wells. However, the concentrations of the contaminants of concern were significantly lower than the previous sample event in January 2011, with the exception of benzene in MW-2 which had increased slightly from 14.4 ppb to 15.5 ppb. Please refer to Table 1 for a summary of the groundwater sample data collected at the site to date. Low levels of two (2) historic fill SVOCs were identified in one (1) well, MW-2, but these are thought to be due to sample turbidity. AESI recommends that quarterly monitoring continue at the site to further document the downward contamination trend.

Free phase product was encountered in MW-4 during the sample event. AESI recommends that the product be removed using vacuum extraction and that the next quarterly sampling event be scheduled for after the vacuum event.

FIGURES

Historical Topographic Map

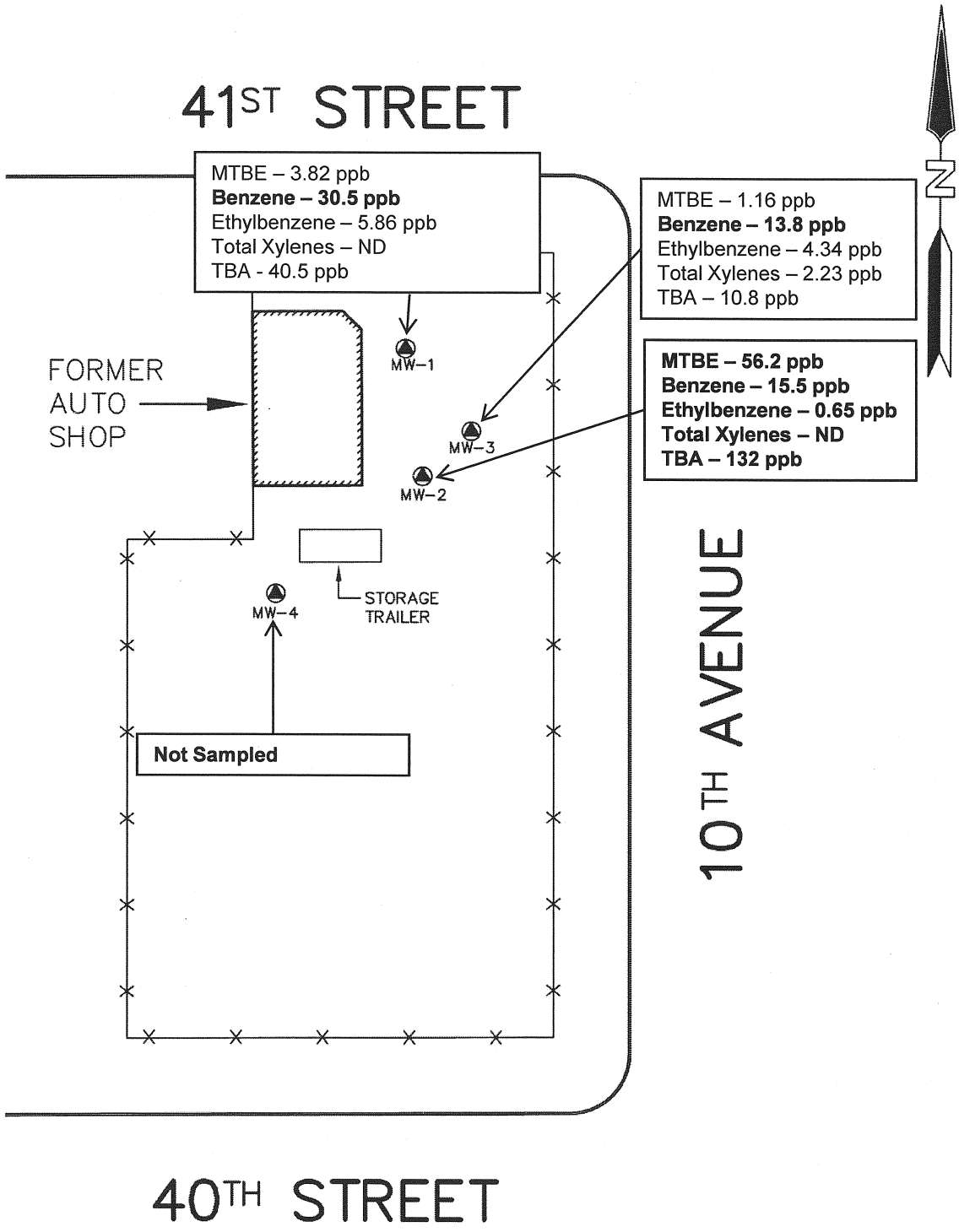


Target Quad: Central Park
Series: 7.5
Scale: 1:24000

Commercial Property
547-551 Tenth Avenue
New York, New York

Figure 1: Site Location Map

Atlantic Environmental Solutions
5 Marine View Plaza, Suite 303
Hoboken, New Jersey



NYSDEC GROUNDWATER STANDARD
MTBE – 10 ppb
Benzene – 0.7 ppb
Ethylbenzene – 5 ppb
Total Xylenes – 5 ppb
TBA – 50 ppb

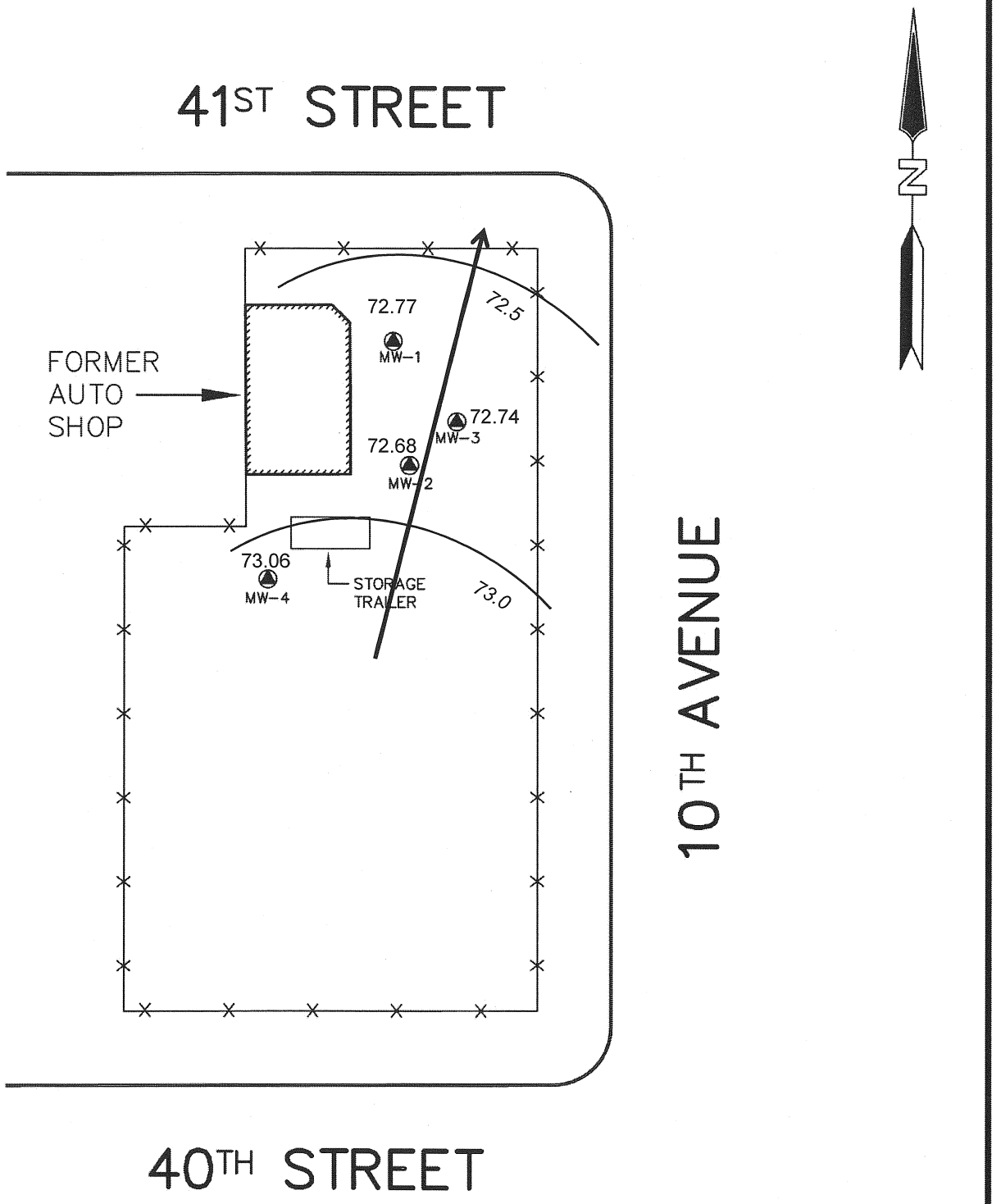
A2010-12.DWG

547 10TH AVENUE
NEW YORK, NJ

FIGURE 2 | SCALE: 1"=40'±

Groundwater Sample Results 6/29/11

ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.
5 MARINEVIEW PLAZA – SUITE 303
HOBOKEN, NEW JERSEY 07030



73.06 = Groundwater Elevation (ft)

547 10TH AVENUE NEW YORK, NJ	
FIGURE 3	SCALE: 1"=40'±
Groundwater Flow Direction 6/29/11	
ATLANTIC ENVIRONMENTAL SOLUTIONS, INC. 5 MARINEVIEW PLAZA – SUITE 303 HOBOKEN, NEW JERSEY 07030	

A2010-12.DWG

TABLES

Table 1 - Groundwater Sample Results June 29, 2011
547 10th Avenue, New York, NY

Client ID:	TAGM 4046 GW	MW-1	MW-1	MW-2	MW-2	MW-3	MW-3	MW-4	MW-4
Date Sampled:	Criteria	01/19/2011	06/29/2011	01/19/2011	06/29/2011	01/19/2011	06/29/2011	01/19/2011	06/29/2011
Matrix:	(ppb)	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Volatiles+MTBE (ppb)		Conc	Conc	Conc	Conc	Conc	Conc	Conc	Conc
Acetone	50	19.5	ND	9.65	ND	ND	ND	9.78	~
Methyl tert-butyl ether (MTBE)	**10**	**11.5**	3.82	**153**	**56.2**	4.75	1.16	**23.9**	~
Tert Butyl Alcohol (TBA)	**50**	~	40.5	~	**132**	~	10.8	~	~
Benzene	**0.7**	**157**	**30.5**	**14.4**	**15.5**	**49.5**	**13.8**	**7.77**	~
Trichloroethene	**5**	ND	ND	ND	ND	ND	ND	ND	~
Toluene	**5**	2.05	2.29	0.595	ND	1.99	0.708	0.829	~
Tetrachloroethene	**5**	ND	ND	ND	ND	ND	ND	ND	~
Ethylbenzene	**5**	2.79	**5.86**	**8.76**	0.647	**15.4**	4.34	**6.66**	~
Total Xylenes	**5**	4.21	ND	**11.9**	ND	**7.55**	2.23	2.03	~
TOTAL VO's:	**NA**	197	83	198	204	79.2	33	51.0	~
Semivolatiles - BNA (ppb)									
Phenol	**1**	ND	ND	ND	ND	ND	ND	ND	~
Aniline	**5**	ND	ND	ND	ND	ND	ND	ND	~
2-Chlorophenol	**50**	ND	ND	ND	ND	ND	ND	ND	~
2-Methylphenol	**5**	ND	ND	ND	ND	ND	ND	ND	~
4-Methylphenol	**50**	ND	ND	3.84	ND	ND	ND	ND	~
Nitrobenzene	**5**	ND	ND	ND	ND	ND	ND	ND	~
Isophorone	**50**	ND	ND	ND	ND	ND	ND	ND	~
2-Nitrophenol	**5**	ND	ND	ND	ND	ND	ND	ND	~
Benzoic acid	**50**	ND	ND	ND	ND	ND	ND	ND	~
2,4-Dichlorophenol	**1**	ND	ND	ND	ND	ND	ND	ND	~
Naphthalene	**10**	3.02	2.27	6.81	ND	5.71	2.84	4.54	~
4-Chloroaniline	**5**	ND	ND	ND	0.959	ND	ND	ND	~
4-Chloro-3-methylphenol	**5**	ND	ND	ND	ND	ND	ND	ND	~
2-Methylnaphthalene	**50**	0.901	ND	2.36	ND	1.35	ND	2.32	~
2,4,5-Trichlorophenol	**1**	ND	ND	ND	ND	ND	ND	ND	~
2-Nitroaniline	**5**	ND	ND	ND	ND	ND	ND	ND	~
Dimethyl phthalate	**50**	ND	ND	ND	ND	ND	ND	ND	~
2,6-Dinitrotoluene	**5**	ND	ND	ND	ND	ND	ND	ND	~
Acenaphthylene	**20**	ND	ND	ND	ND	ND	ND	ND	~
3-Nitroaniline	**5**	ND	ND	ND	ND	ND	ND	ND	~
Acenaphthene	**20**	0.600	0.817	ND	0.324	ND	0.464	2.16	~
2,4-Dinitrophenol	**5**	ND	ND	ND	ND	ND	ND	ND	~
4-Nitrophenol	**5**	ND	ND	ND	ND	ND	ND	ND	~
Dibenzofuran	**5**	ND	0.494	ND	ND	ND	ND	0.963	~
Diethyl phthalate	**50**	ND	ND	ND	ND	ND	ND	ND	~
Fluorene	**50**	0.422	0.878	ND	ND	0.405	ND	1.37	~
Hexachlorobenzene	**0.35**	ND	ND	ND	ND	ND	ND	ND	~
Pentachlorophenol	**1**	ND	ND	ND	ND	ND	ND	ND	~
Phenanthrene	**50**	ND	ND	0.493	1.04	ND	ND	2.29	~
Anthracene	**50**	ND	ND	ND	ND	ND	ND	0.541	~
Di-n-butyl phthalate	**50**	0.317	ND	ND	ND	ND	ND	ND	~
Fluoranthene	**50**	ND	ND	ND	0.849	ND	ND	0.519	~
Pyrene	**50**	ND	ND	ND	0.734	ND	ND	0.347	~
Butyl benzyl phthalate	**50**	ND	ND	ND	ND	ND	ND	ND	~
3,3'-Dichlorobenzidine	**(NA)**	ND	ND	ND	ND	ND	ND	ND	~
Benzo[a]anthracene	**0.002**	ND	ND	ND	**0.315**	ND	ND	ND	~
Chrysene	**0.002**	ND	ND	ND	**0.339**	ND	ND	ND	~
Bis(2-ethylhexyl) phthalate	**50**	0.800	ND	ND	ND	ND	ND	ND	~
Di-n-octyl phthalate	**50**	ND	ND	ND	ND	ND	ND	ND	~
Benzo[b]fluoranthene	**0.002**	ND	ND	ND	ND	ND	ND	ND	~
Benzo[k]fluoranthene	**0.002**	ND	ND	ND	ND	ND	ND	ND	~
Benzo[a]pyrene	**0.002**	ND	ND	ND	ND	ND	ND	ND	~
Indeno[1,2,3-cd]pyrene	**0.002**	ND	ND	ND	ND	ND	ND	ND	~
Dibenz[a,h]anthracene	**50**	ND	ND	ND	ND	ND	ND	ND	~
Benzo[g,h,i]perylene	**5**	ND	ND	ND	ND	ND	ND	ND	~
TOTAL BNA'S:	**NA**	6.06	4.46	13.5	4.56	7.47	3.3	15.1	~

SB = Site Background
NA = Not Available
~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the RL and above the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation

Site Name:	Former Gas Station / Skanska
Address:	574 10th Avenue, Manhattan, New York
AESI Case No.:	30170
Date/Time:	6/29/2011 6:15
Weather:	Sunny, up to 80° F

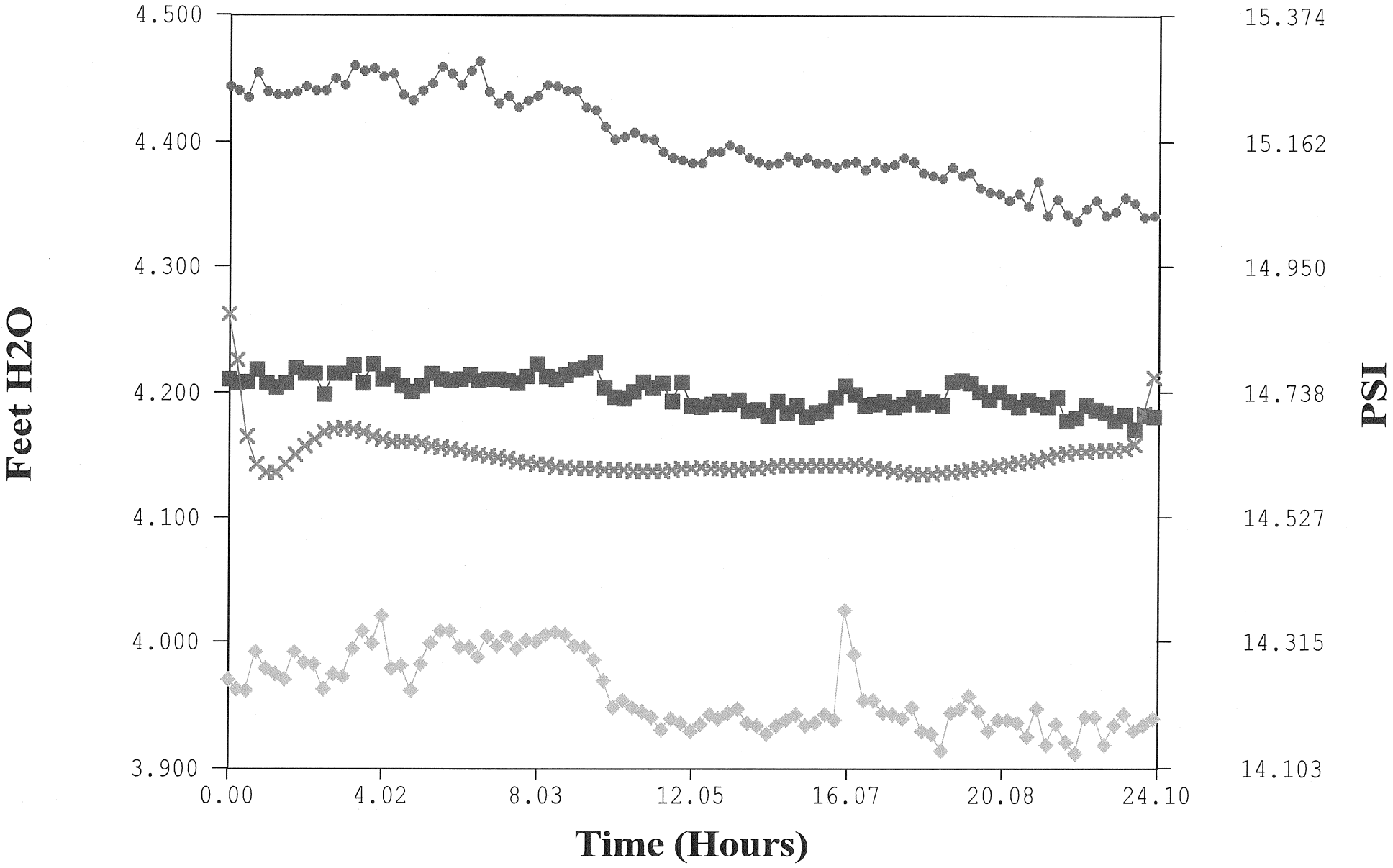
Well Permit #:				
Well#:	**MW-1**	**MW-2**	**MW-3**	**MW-4**
Key #:				
Pre-Purge Data:				
PID / **OVM** Reading (mu):	28.7	43.5	0.9	6.4
Product Thickness (ft):	0	0	0	2.07
Depth to Water (ft):	12.61	13.05	13.03	12.81
Total Depth of Well (ft):	23.54	23.57	22.56	24.47
Well diameter (in):	2	2	2	2
Volume of water in well (gallons):	1.78	1.71	1.56	
Volume of water to purge (x3)(gallons):	5.34	5.14	4.67	
pH:	5.90	6.85	6.27	
Oxygen Reduction Potential (mV):	67.3	23.5	51.1	
Specific conductivity (uS):	893	825	629	
Turbidity (ntu):	45	525	52	
Dissolved oxygen (mg/L):	2.3	0.7	1.5	
Temperature (°C):	19.4	20.3	20.6	
Post-Purge Data:				
Purge Start Time:	12:41	11:17	11:58	
Purge Stop Time:	13:07	11:54	12:35	
Purge Method:	pump	pump	pump	
Purge Rate (gpm):	0.21	0.14	0.14	
Total Volume Purged (gallons):	5.35	5.25	5.35	
Depth to Water After Purge (ft):	13.6	21	14.38	
pH:	5.98	6.57	6.07	
Oxygen Reduction Potential (mV):	65.4	36.9	59.8	
Specific conductivity (uS):	862	744	542	
Turbidity (ntu):	136	817	27	
Dissolved oxygen (mg/L):	1.7	2.7	2.9	
Temperature (°C):	19.8	19.9	21	
Before Sampling Data:				
Depth to Water Before Sampling (ft):	13.12	13.19	12.73	
Sampling Start Time:	13:20	13:49	13:34	
After Sampling Data:				
Sampling End Time:	13:28	14:02	13:46	
Depth to Water After Sampling (ft):	12.81	17.40	13.06	
pH:	5.95	6.58	5.88	
Oxygen Reduction Potential (mV):	65.6	36.2	69.2	
Specific conductivity (uS):	872	745	483	
Turbidity (ntu):	97	203	45	
Dissolved oxygen (mg/L):	2.4	1.6	2.2	
Temperature (°C):	21	21.1	21.8	
Sample Method:	bailer	bailer	bailer	
Field Observations				
Recharge Rate (gpm)	0.19	0.09	0.10	
Sheen	yes	no	no	
Odor	yes	yes	yes	
Turbidity	no	yes	no	

Notes:

Pump = The purge device used was a peristaltic pump w/ dedicated tubing
Bailer = The sampling device used was a disposable, dedicated bailer.
mu - meter units, uS - micro Siemens, mS - milli Siemens, ntu - nephlometric turbidity units
mg/l - milligrams per liter, gpm - gallons per minute, °C - degrees Celsius, °F - degrees Fahrenheit
ft - feet below top of PVC casing
Wells sampled for TAGM VOCs & SVOCS (NYSDEC) w/ field & trip blanks

GRAPHS

Tidal Survey



APPENDIX A

Tidal Survey Data

In-Situ Inc. Hermit 3000

Report generated: 07/22/11 18:16:27
Report from file: S:\Projects\2010 Projects\30170-SOL 547-551 10th Avenue, New York, NY\Tidal
DataMgr Version 3.71

Serial number: 00045492
Firmware Version 7.10
Unit name: HERMIT 3000

Test name: 547TIDE

Test defined on: 06/28/11 10:41:00
Test started on: 06/28/11 10:50:08
Test stopped on: 06/29/11 10:57:20
Test extracted on: 06/30/11 10:51:11

Data gathered using Linear testing
  Time between data points: 3.0000 Minutes.
  Number of data samples: 483

TOTAL DATA SAMPLES 483

Channel number [5]
  Measurement type: Pressure
  Channel name: MW1
  Linearity: 0.0000000
  Scale: 10.0120000
  Offset: -0.0030000
  Warmup: 2050
  Specific gravity: 1.000

Channel number [6]
  Measurement type: Pressure
  Channel name: MW2
  Linearity: 0.0000000
  Scale: 10.2920000
  Offset: -0.0330000
  Warmup: 2050
  Specific gravity: 1.000

Channel number [7]
  Measurement type: Pressure
  Channel name: MW3
  Linearity: 0.0000000
  Scale: 9.9930000
  Offset: -0.0230000
  Warmup: 2050
  Specific gravity: 1.000

Channel number [0]
  Measurement type: Barometric Pressure
  Channel name: Barometric
  Linearity: 0.0000000
  Scale: 0.0000000
  Offset: 0.0000000
  Warmup: 50

Date	Time	ET (min)	Chan[5] Meters H2O	Chan[6] Meters H2O	Chan[7] Meters H2O	Chan[0] Inches Hg
06/28/11	10:50:08	0.0000	1.284	1.211	1.355	30.281
06/28/11	10:53:08	3.0000	1.284	1.207	1.353	30.279
06/28/11	10:56:08	6.0000	1.279	1.205	1.353	30.277
06/28/11	10:59:08	9.0000	1.280	1.206	1.352	30.283
06/28/11	11:02:08	12.0000	1.284	1.211	1.355	30.216
06/28/11	11:05:08	15.0000	1.283	1.208	1.354	30.127
06/28/11	11:08:08	18.0000	1.279	1.209	1.354	30.051

06/28/11	11:11:08	21.0000	1.280	1.210	1.355	29.988
06/28/11	11:14:08	24.0000	1.285	1.214	1.357	29.937
06/28/11	11:17:08	27.0000	1.285	1.219	1.358	29.897
06/28/11	11:20:08	30.0000	1.283	1.208	1.352	29.862
06/28/11	11:23:08	33.0000	1.284	1.215	1.353	29.834
06/28/11	11:26:08	36.0000	1.286	1.213	1.355	29.813
06/28/11	11:29:08	39.0000	1.279	1.203	1.351	29.793
06/28/11	11:32:08	42.0000	1.284	1.213	1.354	29.779
06/28/11	11:35:08	45.0000	1.286	1.217	1.358	29.766
06/28/11	11:38:08	48.0000	1.278	1.204	1.350	29.756
06/28/11	11:41:08	51.0000	1.282	1.211	1.351	29.748
06/28/11	11:44:08	54.0000	1.283	1.212	1.356	29.744
06/28/11	11:47:08	57.0000	1.284	1.213	1.356	29.740
06/28/11	11:50:08	60.0000	1.283	1.213	1.353	29.736
06/28/11	11:53:08	63.0000	1.282	1.213	1.355	29.736
06/28/11	11:56:08	66.0000	1.283	1.215	1.358	29.734
06/28/11	11:59:08	69.0000	1.283	1.213	1.354	29.736
06/28/11	12:02:08	72.0000	1.285	1.213	1.356	29.736
06/28/11	12:05:08	75.0000	1.282	1.212	1.353	29.740
06/28/11	12:08:08	78.0000	1.281	1.213	1.353	29.744
06/28/11	12:11:08	81.0000	1.282	1.215	1.350	29.748
06/28/11	12:14:08	84.0000	1.281	1.209	1.354	29.754
06/28/11	12:17:08	87.0000	1.282	1.213	1.356	29.760
06/28/11	12:20:08	90.0000	1.283	1.211	1.353	29.766
06/28/11	12:23:08	93.0000	1.285	1.213	1.355	29.770
06/28/11	12:26:08	96.0000	1.281	1.210	1.355	29.779
06/28/11	12:29:08	99.0000	1.281	1.210	1.356	29.785
06/28/11	12:32:08	102.0000	1.284	1.215	1.355	29.791
06/28/11	12:35:08	105.0000	1.286	1.217	1.353	29.799
06/28/11	12:38:08	108.0000	1.283	1.213	1.357	29.803
06/28/11	12:41:08	111.0000	1.284	1.214	1.350	29.809
06/28/11	12:44:08	114.0000	1.283	1.209	1.353	29.815
06/28/11	12:47:08	117.0000	1.282	1.212	1.353	29.821
06/28/11	12:50:08	120.0000	1.285	1.215	1.355	29.827
06/28/11	12:53:08	123.0000	1.284	1.213	1.354	29.834
06/28/11	12:56:08	126.0000	1.285	1.211	1.353	29.840
06/28/11	12:59:08	129.0000	1.284	1.214	1.356	29.844
06/28/11	13:02:08	132.0000	1.283	1.210	1.352	29.850
06/28/11	13:05:08	135.0000	1.285	1.214	1.354	29.854
06/28/11	13:08:08	138.0000	1.285	1.210	1.355	29.860
06/28/11	13:11:08	141.0000	1.282	1.217	1.354	29.864
06/28/11	13:14:08	144.0000	1.282	1.212	1.351	29.866
06/28/11	13:17:08	147.0000	1.283	1.209	1.352	29.872
06/28/11	13:20:08	150.0000	1.280	1.208	1.354	29.874
06/28/11	13:23:08	153.0000	1.283	1.210	1.355	29.878
06/28/11	13:26:08	156.0000	1.283	1.209	1.355	29.882
06/28/11	13:29:08	159.0000	1.281	1.209	1.351	29.882
06/28/11	13:32:08	162.0000	1.286	1.215	1.354	29.886
06/28/11	13:35:08	165.0000	1.285	1.212	1.357	29.886
06/28/11	13:38:08	168.0000	1.285	1.206	1.354	29.891
06/28/11	13:41:08	171.0000	1.282	1.211	1.355	29.888
06/28/11	13:44:08	174.0000	1.284	1.215	1.356	29.891
06/28/11	13:47:08	177.0000	1.284	1.213	1.356	29.891
06/28/11	13:50:08	180.0000	1.285	1.211	1.355	29.891
06/28/11	13:53:08	183.0000	1.283	1.211	1.353	29.888
06/28/11	13:56:08	186.0000	1.282	1.210	1.353	29.888
06/28/11	13:59:08	189.0000	1.284	1.215	1.356	29.886
06/28/11	14:02:08	192.0000	1.283	1.213	1.357	29.886
06/28/11	14:05:08	195.0000	1.287	1.218	1.360	29.886
06/28/11	14:08:08	198.0000	1.279	1.213	1.356	29.884
06/28/11	14:11:08	201.0000	1.282	1.211	1.354	29.882
06/28/11	14:14:08	204.0000	1.283	1.214	1.357	29.880
06/28/11	14:17:08	207.0000	1.283	1.213	1.359	29.880
06/28/11	14:20:08	210.0000	1.283	1.222	1.359	29.874
06/28/11	14:23:08	213.0000	1.283	1.217	1.357	29.874
06/28/11	14:26:08	216.0000	1.279	1.210	1.352	29.870
06/28/11	14:29:08	219.0000	1.281	1.208	1.353	29.868
06/28/11	14:32:08	222.0000	1.285	1.214	1.355	29.866
06/28/11	14:35:08	225.0000	1.287	1.219	1.359	29.864
06/28/11	14:38:08	228.0000	1.283	1.209	1.356	29.864

06/28/11	14:41:08	231.0000	1.282	1.210	1.353	29.860
06/28/11	14:44:08	234.0000	1.281	1.205	1.352	29.856
06/28/11	14:47:08	237.0000	1.284	1.217	1.358	29.856
06/28/11	14:50:08	240.0000	1.284	1.226	1.357	29.852
06/28/11	14:53:08	243.0000	1.282	1.218	1.364	29.850
06/28/11	14:56:08	246.0000	1.281	1.215	1.357	29.848
06/28/11	14:59:08	249.0000	1.283	1.212	1.357	29.848
06/28/11	15:02:08	252.0000	1.282	1.212	1.357	29.846
06/28/11	15:05:08	255.0000	1.285	1.213	1.358	29.844
06/28/11	15:08:08	258.0000	1.281	1.214	1.356	29.844
06/28/11	15:11:08	261.0000	1.283	1.213	1.354	29.844
06/28/11	15:14:08	264.0000	1.282	1.213	1.353	29.844
06/28/11	15:17:08	267.0000	1.280	1.212	1.352	29.842
06/28/11	15:20:08	270.0000	1.282	1.214	1.353	29.844
06/28/11	15:23:08	273.0000	1.283	1.212	1.355	29.842
06/28/11	15:26:08	276.0000	1.283	1.215	1.351	29.840
06/28/11	15:29:08	279.0000	1.281	1.216	1.352	29.840
06/28/11	15:32:08	282.0000	1.284	1.211	1.352	29.840
06/28/11	15:35:08	285.0000	1.281	1.208	1.352	29.842
06/28/11	15:38:08	288.0000	1.283	1.212	1.352	29.840
06/28/11	15:41:08	291.0000	1.284	1.212	1.352	29.842
06/28/11	15:44:08	294.0000	1.283	1.213	1.352	29.840
06/28/11	15:47:08	297.0000	1.281	1.216	1.354	29.838
06/28/11	15:50:08	300.0000	1.282	1.214	1.354	29.838
06/28/11	15:53:08	303.0000	1.281	1.216	1.354	29.836
06/28/11	15:56:08	306.0000	1.282	1.213	1.356	29.836
06/28/11	15:59:08	309.0000	1.284	1.216	1.355	29.834
06/28/11	16:02:08	312.0000	1.284	1.216	1.356	29.831
06/28/11	16:05:08	315.0000	1.285	1.219	1.356	29.829
06/28/11	16:08:08	318.0000	1.281	1.216	1.357	29.829
06/28/11	16:11:08	321.0000	1.281	1.222	1.355	29.829
06/28/11	16:14:08	324.0000	1.286	1.218	1.357	29.825
06/28/11	16:17:08	327.0000	1.282	1.222	1.355	29.825
06/28/11	16:20:08	330.0000	1.284	1.222	1.360	29.825
06/28/11	16:23:08	333.0000	1.286	1.220	1.360	29.821
06/28/11	16:26:08	336.0000	1.281	1.220	1.358	29.821
06/28/11	16:29:08	339.0000	1.285	1.219	1.360	29.819
06/28/11	16:32:08	342.0000	1.283	1.220	1.360	29.817
06/28/11	16:35:08	345.0000	1.283	1.222	1.358	29.817
06/28/11	16:38:08	348.0000	1.284	1.224	1.360	29.813
06/28/11	16:41:08	351.0000	1.285	1.220	1.356	29.813
06/28/11	16:44:08	354.0000	1.284	1.218	1.357	29.813
06/28/11	16:47:08	357.0000	1.284	1.219	1.356	29.813
06/28/11	16:50:08	360.0000	1.284	1.218	1.355	29.813
06/28/11	16:53:08	363.0000	1.281	1.217	1.355	29.811
06/28/11	16:56:08	366.0000	1.285	1.217	1.358	29.811
06/28/11	16:59:08	369.0000	1.283	1.218	1.355	29.809
06/28/11	17:02:08	372.0000	1.282	1.217	1.357	29.805
06/28/11	17:05:08	375.0000	1.285	1.218	1.359	29.807
06/28/11	17:08:08	378.0000	1.285	1.219	1.359	29.803
06/28/11	17:11:08	381.0000	1.285	1.220	1.358	29.805
06/28/11	17:14:08	384.0000	1.281	1.218	1.357	29.801
06/28/11	17:17:08	387.0000	1.285	1.218	1.356	29.803
06/28/11	17:20:08	390.0000	1.283	1.216	1.361	29.801
06/28/11	17:23:08	393.0000	1.281	1.217	1.356	29.799
06/28/11	17:26:08	396.0000	1.282	1.217	1.353	29.797
06/28/11	17:29:08	399.0000	1.284	1.217	1.349	29.797
06/28/11	17:32:08	402.0000	1.282	1.223	1.352	29.797
06/28/11	17:35:08	405.0000	1.284	1.221	1.353	29.795
06/28/11	17:38:08	408.0000	1.283	1.220	1.353	29.795
06/28/11	17:41:08	411.0000	1.285	1.221	1.351	29.793
06/28/11	17:44:08	414.0000	1.284	1.219	1.353	29.791
06/28/11	17:47:08	417.0000	1.285	1.217	1.352	29.791
06/28/11	17:50:08	420.0000	1.284	1.219	1.351	29.791
06/28/11	17:53:08	423.0000	1.286	1.217	1.352	29.789
06/28/11	17:56:08	426.0000	1.282	1.219	1.352	29.789
06/28/11	17:59:08	429.0000	1.282	1.219	1.353	29.787
06/28/11	18:02:08	432.0000	1.284	1.222	1.350	29.785
06/28/11	18:05:08	435.0000	1.283	1.221	1.353	29.785
06/28/11	18:08:08	438.0000	1.283	1.218	1.353	29.783

06/28/11	18:11:08	441.0000	1.283	1.219	1.351	29.781
06/28/11	18:14:08	444.0000	1.283	1.218	1.352	29.781
06/28/11	18:17:08	447.0000	1.284	1.217	1.350	29.781
06/28/11	18:20:08	450.0000	1.283	1.218	1.350	29.777
06/28/11	18:23:08	453.0000	1.285	1.223	1.353	29.777
06/28/11	18:26:08	456.0000	1.283	1.225	1.353	29.774
06/28/11	18:29:08	459.0000	1.284	1.222	1.352	29.774
06/28/11	18:32:08	462.0000	1.286	1.220	1.350	29.772
06/28/11	18:35:08	465.0000	1.284	1.220	1.352	29.772
06/28/11	18:38:08	468.0000	1.284	1.216	1.349	29.772
06/28/11	18:41:08	471.0000	1.283	1.221	1.354	29.770
06/28/11	18:44:08	474.0000	1.285	1.222	1.351	29.768
06/28/11	18:47:08	477.0000	1.284	1.218	1.355	29.768
06/28/11	18:50:08	480.0000	1.287	1.220	1.353	29.766
06/28/11	18:53:08	483.0000	1.283	1.220	1.350	29.768
06/28/11	18:56:08	486.0000	1.285	1.223	1.351	29.766
06/28/11	18:59:08	489.0000	1.283	1.223	1.353	29.764
06/28/11	19:02:08	492.0000	1.284	1.223	1.353	29.766
06/28/11	19:05:08	495.0000	1.284	1.221	1.355	29.764
06/28/11	19:08:08	498.0000	1.290	1.222	1.352	29.764
06/28/11	19:11:08	501.0000	1.285	1.224	1.353	29.760
06/28/11	19:14:08	504.0000	1.285	1.223	1.354	29.760
06/28/11	19:17:08	507.0000	1.286	1.220	1.352	29.760
06/28/11	19:20:08	510.0000	1.284	1.222	1.355	29.758
06/28/11	19:23:08	513.0000	1.284	1.220	1.353	29.758
06/28/11	19:26:08	516.0000	1.283	1.220	1.351	29.756
06/28/11	19:29:08	519.0000	1.285	1.222	1.350	29.758
06/28/11	19:32:08	522.0000	1.285	1.226	1.353	29.758
06/28/11	19:35:08	525.0000	1.285	1.221	1.354	29.756
06/28/11	19:38:08	528.0000	1.283	1.223	1.352	29.754
06/28/11	19:41:08	531.0000	1.283	1.217	1.352	29.756
06/28/11	19:44:08	534.0000	1.284	1.224	1.351	29.754
06/28/11	19:47:08	537.0000	1.283	1.223	1.351	29.754
06/28/11	19:50:08	540.0000	1.286	1.219	1.354	29.754
06/28/11	19:53:08	543.0000	1.287	1.222	1.351	29.752
06/28/11	19:56:08	546.0000	1.286	1.216	1.351	29.752
06/28/11	19:59:08	549.0000	1.284	1.223	1.350	29.752
06/28/11	20:02:08	552.0000	1.285	1.222	1.351	29.750
06/28/11	20:05:08	555.0000	1.286	1.218	1.350	29.752
06/28/11	20:08:08	558.0000	1.290	1.218	1.352	29.748
06/28/11	20:11:08	561.0000	1.283	1.220	1.350	29.750
06/28/11	20:14:08	564.0000	1.283	1.219	1.352	29.750
06/28/11	20:17:08	567.0000	1.284	1.216	1.349	29.750
06/28/11	20:20:08	570.0000	1.288	1.215	1.349	29.750
06/28/11	20:23:08	573.0000	1.285	1.213	1.350	29.750
06/28/11	20:26:08	576.0000	1.285	1.217	1.349	29.748
06/28/11	20:29:08	579.0000	1.285	1.220	1.350	29.748
06/28/11	20:32:08	582.0000	1.284	1.214	1.346	29.748
06/28/11	20:35:08	585.0000	1.282	1.210	1.345	29.748
06/28/11	20:38:08	588.0000	1.279	1.206	1.346	29.748
06/28/11	20:41:08	591.0000	1.279	1.209	1.346	29.748
06/28/11	20:44:08	594.0000	1.280	1.206	1.344	29.746
06/28/11	20:47:08	597.0000	1.279	1.211	1.342	29.746
06/28/11	20:50:08	600.0000	1.279	1.204	1.342	29.746
06/28/11	20:53:08	603.0000	1.279	1.206	1.342	29.746
06/28/11	20:56:08	606.0000	1.280	1.205	1.343	29.744
06/28/11	20:59:08	609.0000	1.280	1.202	1.341	29.746
06/28/11	21:02:08	612.0000	1.282	1.208	1.342	29.744
06/28/11	21:05:08	615.0000	1.279	1.206	1.343	29.746
06/28/11	21:08:08	618.0000	1.280	1.203	1.343	29.744
06/28/11	21:11:08	621.0000	1.278	1.205	1.341	29.746
06/28/11	21:14:08	624.0000	1.281	1.206	1.342	29.744
06/28/11	21:17:08	627.0000	1.280	1.203	1.343	29.744
06/28/11	21:20:08	630.0000	1.281	1.204	1.344	29.744
06/28/11	21:23:08	633.0000	1.279	1.204	1.343	29.742
06/28/11	21:26:08	636.0000	1.279	1.204	1.343	29.744
06/28/11	21:29:08	639.0000	1.278	1.206	1.342	29.742
06/28/11	21:32:08	642.0000	1.280	1.203	1.342	29.742
06/28/11	21:35:08	645.0000	1.283	1.203	1.342	29.742
06/28/11	21:38:08	648.0000	1.281	1.206	1.343	29.742

06/28/11	21:41:08	651.0000	1.279	1.206	1.339	29.742
06/28/11	21:44:08	654.0000	1.278	1.204	1.341	29.740
06/28/11	21:47:08	657.0000	1.281	1.204	1.340	29.742
06/28/11	21:50:08	660.0000	1.282	1.201	1.342	29.742
06/28/11	21:53:08	663.0000	1.278	1.200	1.341	29.740
06/28/11	21:56:08	666.0000	1.277	1.199	1.340	29.742
06/28/11	21:59:08	669.0000	1.279	1.201	1.338	29.742
06/28/11	22:02:08	672.0000	1.279	1.202	1.341	29.742
06/28/11	22:05:08	675.0000	1.283	1.198	1.339	29.744
06/28/11	22:08:08	678.0000	1.277	1.203	1.340	29.744
06/28/11	22:11:08	681.0000	1.281	1.203	1.339	29.744
06/28/11	22:14:08	684.0000	1.279	1.202	1.338	29.744
06/28/11	22:17:08	687.0000	1.277	1.199	1.338	29.746
06/28/11	22:20:08	690.0000	1.278	1.201	1.338	29.746
06/28/11	22:23:08	693.0000	1.279	1.201	1.335	29.748
06/28/11	22:26:08	696.0000	1.281	1.197	1.337	29.750
06/28/11	22:29:08	699.0000	1.279	1.198	1.336	29.750
06/28/11	22:32:08	702.0000	1.279	1.200	1.335	29.750
06/28/11	22:35:08	705.0000	1.283	1.200	1.337	29.750
06/28/11	22:38:08	708.0000	1.276	1.201	1.336	29.752
06/28/11	22:41:08	711.0000	1.280	1.201	1.335	29.752
06/28/11	22:44:08	714.0000	1.278	1.199	1.337	29.750
06/28/11	22:47:08	717.0000	1.280	1.197	1.337	29.752
06/28/11	22:50:08	720.0000	1.277	1.198	1.336	29.754
06/28/11	22:53:08	723.0000	1.277	1.201	1.336	29.752
06/28/11	22:56:08	726.0000	1.276	1.198	1.337	29.754
06/28/11	22:59:08	729.0000	1.280	1.201	1.337	29.752
06/28/11	23:02:08	732.0000	1.279	1.197	1.335	29.754
06/28/11	23:05:08	735.0000	1.277	1.200	1.336	29.756
06/28/11	23:08:08	738.0000	1.277	1.198	1.337	29.754
06/28/11	23:11:08	741.0000	1.277	1.198	1.336	29.754
06/28/11	23:14:08	744.0000	1.277	1.201	1.338	29.754
06/28/11	23:17:08	747.0000	1.279	1.202	1.337	29.754
06/28/11	23:20:08	750.0000	1.278	1.202	1.339	29.752
06/28/11	23:23:08	753.0000	1.278	1.200	1.339	29.752
06/28/11	23:26:08	756.0000	1.279	1.200	1.338	29.752
06/28/11	23:29:08	759.0000	1.278	1.201	1.338	29.752
06/28/11	23:32:08	762.0000	1.277	1.203	1.338	29.754
06/28/11	23:35:08	765.0000	1.278	1.201	1.339	29.750
06/28/11	23:38:08	768.0000	1.277	1.203	1.338	29.752
06/28/11	23:41:08	771.0000	1.276	1.199	1.342	29.750
06/28/11	23:44:08	774.0000	1.276	1.201	1.340	29.750
06/28/11	23:47:08	777.0000	1.277	1.203	1.340	29.748
06/28/11	23:50:08	780.0000	1.278	1.202	1.341	29.748
06/28/11	23:53:08	783.0000	1.277	1.203	1.340	29.748
06/28/11	23:56:08	786.0000	1.276	1.203	1.339	29.748
06/28/11	23:59:08	789.0000	1.275	1.200	1.340	29.748
06/29/11	00:02:08	792.0000	1.277	1.202	1.339	29.748
06/29/11	00:05:08	795.0000	1.279	1.203	1.340	29.748
06/29/11	00:08:08	798.0000	1.277	1.205	1.341	29.748
06/29/11	00:11:08	801.0000	1.276	1.202	1.338	29.750
06/29/11	00:14:08	804.0000	1.279	1.200	1.337	29.748
06/29/11	00:17:08	807.0000	1.277	1.202	1.340	29.748
06/29/11	00:20:08	810.0000	1.276	1.200	1.338	29.750
06/29/11	00:23:08	813.0000	1.278	1.198	1.337	29.750
06/29/11	00:26:08	816.0000	1.278	1.198	1.336	29.752
06/29/11	00:29:08	819.0000	1.275	1.199	1.335	29.752
06/29/11	00:32:08	822.0000	1.279	1.200	1.335	29.754
06/29/11	00:35:08	825.0000	1.276	1.199	1.337	29.754
06/29/11	00:38:08	828.0000	1.275	1.198	1.335	29.756
06/29/11	00:41:08	831.0000	1.276	1.196	1.335	29.756
06/29/11	00:44:08	834.0000	1.278	1.199	1.336	29.756
06/29/11	00:47:08	837.0000	1.276	1.195	1.338	29.756
06/29/11	00:50:08	840.0000	1.275	1.197	1.336	29.758
06/29/11	00:53:08	843.0000	1.277	1.203	1.338	29.758
06/29/11	00:56:08	846.0000	1.279	1.198	1.336	29.758
06/29/11	00:59:08	849.0000	1.276	1.197	1.338	29.758
06/29/11	01:02:08	852.0000	1.276	1.198	1.338	29.760
06/29/11	01:05:08	855.0000	1.278	1.199	1.336	29.760
06/29/11	01:08:08	858.0000	1.276	1.203	1.335	29.758

06/29/11	01:11:08	861.0000	1.277	1.203	1.337	29.760
06/29/11	01:14:08	864.0000	1.275	1.198	1.335	29.758
06/29/11	01:17:08	867.0000	1.275	1.197	1.338	29.760
06/29/11	01:20:08	870.0000	1.275	1.201	1.338	29.760
06/29/11	01:23:08	873.0000	1.275	1.197	1.335	29.762
06/29/11	01:26:08	876.0000	1.275	1.197	1.337	29.760
06/29/11	01:29:08	879.0000	1.279	1.196	1.337	29.760
06/29/11	01:32:08	882.0000	1.276	1.197	1.338	29.760
06/29/11	01:35:08	885.0000	1.277	1.202	1.337	29.760
06/29/11	01:38:08	888.0000	1.273	1.198	1.337	29.762
06/29/11	01:41:08	891.0000	1.276	1.194	1.336	29.760
06/29/11	01:44:08	894.0000	1.279	1.199	1.335	29.760
06/29/11	01:47:08	897.0000	1.277	1.198	1.335	29.760
06/29/11	01:50:08	900.0000	1.275	1.199	1.338	29.762
06/29/11	01:53:08	903.0000	1.275	1.197	1.335	29.760
06/29/11	01:56:08	906.0000	1.279	1.197	1.334	29.762
06/29/11	01:59:08	909.0000	1.274	1.199	1.334	29.762
06/29/11	02:02:08	912.0000	1.276	1.197	1.337	29.762
06/29/11	02:05:08	915.0000	1.275	1.200	1.336	29.762
06/29/11	02:08:08	918.0000	1.275	1.197	1.336	29.760
06/29/11	02:11:08	921.0000	1.275	1.198	1.334	29.762
06/29/11	02:14:08	924.0000	1.274	1.196	1.334	29.762
06/29/11	02:17:08	927.0000	1.278	1.202	1.335	29.762
06/29/11	02:20:08	930.0000	1.276	1.202	1.336	29.762
06/29/11	02:23:08	933.0000	1.276	1.199	1.336	29.762
06/29/11	02:26:08	936.0000	1.276	1.198	1.335	29.764
06/29/11	02:29:08	939.0000	1.278	1.202	1.337	29.764
06/29/11	02:32:08	942.0000	1.274	1.201	1.337	29.762
06/29/11	02:35:08	945.0000	1.279	1.201	1.335	29.762
06/29/11	02:38:08	948.0000	1.275	1.201	1.336	29.762
06/29/11	02:41:08	951.0000	1.277	1.201	1.335	29.762
06/29/11	02:44:08	954.0000	1.280	1.202	1.337	29.762
06/29/11	02:47:08	957.0000	1.284	1.201	1.338	29.762
06/29/11	02:50:08	960.0000	1.282	1.227	1.336	29.762
06/29/11	02:53:08	963.0000	1.280	1.235	1.336	29.762
06/29/11	02:56:08	966.0000	1.280	1.227	1.337	29.762
06/29/11	02:59:08	969.0000	1.281	1.222	1.335	29.762
06/29/11	03:02:08	972.0000	1.281	1.220	1.336	29.764
06/29/11	03:05:08	975.0000	1.280	1.216	1.337	29.764
06/29/11	03:08:08	978.0000	1.279	1.214	1.335	29.762
06/29/11	03:11:08	981.0000	1.278	1.214	1.336	29.760
06/29/11	03:14:08	984.0000	1.278	1.210	1.335	29.760
06/29/11	03:17:08	987.0000	1.279	1.211	1.337	29.760
06/29/11	03:20:08	990.0000	1.277	1.206	1.335	29.760
06/29/11	03:23:08	993.0000	1.275	1.204	1.336	29.760
06/29/11	03:26:08	996.0000	1.280	1.204	1.336	29.758
06/29/11	03:29:08	999.0000	1.277	1.206	1.334	29.758
06/29/11	03:32:08	1002.0000	1.281	1.201	1.336	29.756
06/29/11	03:35:08	1005.0000	1.278	1.206	1.337	29.754
06/29/11	03:38:08	1008.0000	1.281	1.201	1.336	29.754
06/29/11	03:41:08	1011.0000	1.277	1.203	1.337	29.754
06/29/11	03:44:08	1014.0000	1.278	1.201	1.335	29.752
06/29/11	03:47:08	1017.0000	1.278	1.201	1.336	29.750
06/29/11	03:50:08	1020.0000	1.278	1.202	1.335	29.750
06/29/11	03:53:08	1023.0000	1.280	1.204	1.337	29.748
06/29/11	03:56:08	1026.0000	1.276	1.200	1.336	29.748
06/29/11	03:59:08	1029.0000	1.279	1.200	1.338	29.748
06/29/11	04:02:08	1032.0000	1.276	1.201	1.337	29.744
06/29/11	04:05:08	1035.0000	1.277	1.202	1.336	29.744
06/29/11	04:08:08	1038.0000	1.278	1.202	1.338	29.742
06/29/11	04:11:08	1041.0000	1.277	1.201	1.336	29.740
06/29/11	04:14:08	1044.0000	1.279	1.202	1.336	29.740
06/29/11	04:17:08	1047.0000	1.278	1.201	1.336	29.740
06/29/11	04:20:08	1050.0000	1.278	1.201	1.338	29.738
06/29/11	04:23:08	1053.0000	1.278	1.202	1.336	29.736
06/29/11	04:26:08	1056.0000	1.279	1.200	1.336	29.736
06/29/11	04:29:08	1059.0000	1.278	1.199	1.336	29.736
06/29/11	04:32:08	1062.0000	1.279	1.201	1.337	29.734
06/29/11	04:35:08	1065.0000	1.279	1.204	1.337	29.734
06/29/11	04:38:08	1068.0000	1.278	1.198	1.337	29.732

06/29/11	04:41:08	1071.0000	1.275	1.196	1.335	29.734
06/29/11	04:44:08	1074.0000	1.279	1.202	1.335	29.732
06/29/11	04:47:08	1077.0000	1.278	1.198	1.335	29.734
06/29/11	04:50:08	1080.0000	1.278	1.198	1.334	29.732
06/29/11	04:53:08	1083.0000	1.279	1.196	1.335	29.734
06/29/11	04:56:08	1086.0000	1.277	1.196	1.334	29.732
06/29/11	04:59:08	1089.0000	1.277	1.195	1.334	29.732
06/29/11	05:02:08	1092.0000	1.276	1.196	1.334	29.734
06/29/11	05:05:08	1095.0000	1.278	1.197	1.333	29.734
06/29/11	05:08:08	1098.0000	1.276	1.197	1.332	29.734
06/29/11	05:11:08	1101.0000	1.276	1.195	1.333	29.734
06/29/11	05:14:08	1104.0000	1.277	1.196	1.334	29.734
06/29/11	05:17:08	1107.0000	1.276	1.193	1.332	29.734
06/29/11	05:20:08	1110.0000	1.277	1.193	1.333	29.736
06/29/11	05:23:08	1113.0000	1.277	1.196	1.331	29.736
06/29/11	05:26:08	1116.0000	1.275	1.194	1.331	29.738
06/29/11	05:29:08	1119.0000	1.275	1.195	1.330	29.738
06/29/11	05:32:08	1122.0000	1.277	1.194	1.332	29.738
06/29/11	05:35:08	1125.0000	1.283	1.202	1.335	29.738
06/29/11	05:38:08	1128.0000	1.280	1.207	1.337	29.742
06/29/11	05:41:08	1131.0000	1.279	1.204	1.337	29.742
06/29/11	05:44:08	1134.0000	1.280	1.204	1.337	29.742
06/29/11	05:47:08	1137.0000	1.283	1.208	1.337	29.742
06/29/11	05:50:08	1140.0000	1.283	1.203	1.333	29.744
06/29/11	05:53:08	1143.0000	1.282	1.202	1.334	29.744
06/29/11	05:56:08	1146.0000	1.282	1.202	1.335	29.744
06/29/11	05:59:08	1149.0000	1.282	1.203	1.334	29.746
06/29/11	06:02:08	1152.0000	1.283	1.200	1.332	29.746
06/29/11	06:05:08	1155.0000	1.283	1.206	1.334	29.746
06/29/11	06:08:08	1158.0000	1.278	1.202	1.334	29.748
06/29/11	06:11:08	1161.0000	1.279	1.201	1.331	29.748
06/29/11	06:14:08	1164.0000	1.279	1.200	1.331	29.750
06/29/11	06:17:08	1167.0000	1.280	1.200	1.331	29.750
06/29/11	06:20:08	1170.0000	1.281	1.203	1.330	29.754
06/29/11	06:23:08	1173.0000	1.281	1.198	1.331	29.752
06/29/11	06:26:08	1176.0000	1.283	1.201	1.331	29.754
06/29/11	06:29:08	1179.0000	1.280	1.200	1.329	29.752
06/29/11	06:32:08	1182.0000	1.279	1.199	1.331	29.754
06/29/11	06:35:08	1185.0000	1.279	1.198	1.329	29.756
06/29/11	06:38:08	1188.0000	1.279	1.200	1.329	29.758
06/29/11	06:41:08	1191.0000	1.278	1.199	1.329	29.760
06/29/11	06:44:08	1194.0000	1.279	1.197	1.329	29.758
06/29/11	06:47:08	1197.0000	1.277	1.198	1.329	29.760
06/29/11	06:50:08	1200.0000	1.281	1.201	1.329	29.760
06/29/11	06:53:08	1203.0000	1.279	1.204	1.329	29.760
06/29/11	06:56:08	1206.0000	1.281	1.202	1.330	29.760
06/29/11	06:59:08	1209.0000	1.280	1.200	1.328	29.762
06/29/11	07:02:08	1212.0000	1.277	1.199	1.328	29.764
06/29/11	07:05:08	1215.0000	1.278	1.201	1.327	29.766
06/29/11	07:08:08	1218.0000	1.279	1.201	1.329	29.764
06/29/11	07:11:08	1221.0000	1.280	1.201	1.327	29.766
06/29/11	07:14:08	1224.0000	1.278	1.199	1.326	29.768
06/29/11	07:17:08	1227.0000	1.278	1.196	1.327	29.768
06/29/11	07:20:08	1230.0000	1.277	1.200	1.329	29.770
06/29/11	07:23:08	1233.0000	1.281	1.203	1.327	29.770
06/29/11	07:26:08	1236.0000	1.286	1.208	1.333	29.772
06/29/11	07:29:08	1239.0000	1.275	1.195	1.326	29.772
06/29/11	07:32:08	1242.0000	1.277	1.194	1.326	29.774
06/29/11	07:35:08	1245.0000	1.279	1.197	1.326	29.777
06/29/11	07:38:08	1248.0000	1.278	1.192	1.328	29.779
06/29/11	07:41:08	1251.0000	1.276	1.193	1.327	29.779
06/29/11	07:44:08	1254.0000	1.275	1.192	1.324	29.781
06/29/11	07:47:08	1257.0000	1.278	1.205	1.329	29.781
06/29/11	07:50:08	1260.0000	1.278	1.203	1.332	29.783
06/29/11	07:53:08	1263.0000	1.274	1.195	1.324	29.785
06/29/11	07:56:08	1266.0000	1.275	1.194	1.324	29.785
06/29/11	07:59:08	1269.0000	1.275	1.192	1.324	29.789
06/29/11	08:02:08	1272.0000	1.276	1.192	1.324	29.789
06/29/11	08:05:08	1275.0000	1.277	1.195	1.324	29.791
06/29/11	08:08:08	1278.0000	1.275	1.192	1.323	29.793

06/29/11	08:11:08	1281.0000	1.275	1.199	1.325	29.795
06/29/11	08:14:08	1284.0000	1.276	1.200	1.324	29.795
06/29/11	08:17:08	1287.0000	1.276	1.201	1.328	29.799
06/29/11	08:20:08	1290.0000	1.279	1.200	1.328	29.799
06/29/11	08:23:08	1293.0000	1.279	1.198	1.328	29.799
06/29/11	08:26:08	1296.0000	1.277	1.202	1.325	29.799
06/29/11	08:29:08	1299.0000	1.279	1.197	1.326	29.801
06/29/11	08:32:08	1302.0000	1.282	1.201	1.324	29.803
06/29/11	08:35:08	1305.0000	1.274	1.195	1.324	29.803
06/29/11	08:38:08	1308.0000	1.277	1.196	1.326	29.805
06/29/11	08:41:08	1311.0000	1.279	1.201	1.326	29.807
06/29/11	08:44:08	1314.0000	1.275	1.197	1.324	29.809
06/29/11	08:47:08	1317.0000	1.278	1.201	1.327	29.809
06/29/11	08:50:08	1320.0000	1.274	1.192	1.322	29.809
06/29/11	08:53:08	1323.0000	1.277	1.197	1.326	29.809
06/29/11	08:56:08	1326.0000	1.274	1.200	1.323	29.811
06/29/11	08:59:08	1329.0000	1.277	1.199	1.327	29.809
06/29/11	09:02:08	1332.0000	1.276	1.202	1.325	29.813
06/29/11	09:05:08	1335.0000	1.277	1.201	1.325	29.811
06/29/11	09:08:08	1338.0000	1.276	1.194	1.321	29.813
06/29/11	09:11:08	1341.0000	1.272	1.192	1.320	29.813
06/29/11	09:14:08	1344.0000	1.276	1.197	1.326	29.815
06/29/11	09:17:08	1347.0000	1.278	1.198	1.327	29.813
06/29/11	09:20:08	1350.0000	1.276	1.201	1.327	29.813
06/29/11	09:23:08	1353.0000	1.276	1.199	1.328	29.815
06/29/11	09:26:08	1356.0000	1.275	1.197	1.324	29.815
06/29/11	09:29:08	1359.0000	1.273	1.197	1.323	29.813
06/29/11	09:32:08	1362.0000	1.275	1.196	1.323	29.815
06/29/11	09:35:08	1365.0000	1.275	1.195	1.324	29.815
06/29/11	09:38:08	1368.0000	1.275	1.199	1.324	29.815
06/29/11	09:41:08	1371.0000	1.274	1.198	1.325	29.815
06/29/11	09:44:08	1374.0000	1.275	1.198	1.323	29.815
06/29/11	09:47:08	1377.0000	1.275	1.198	1.324	29.815
06/29/11	09:50:08	1380.0000	1.274	1.199	1.324	29.815
06/29/11	09:53:08	1383.0000	1.276	1.195	1.324	29.817
06/29/11	09:56:08	1386.0000	1.269	1.192	1.321	29.815
06/29/11	09:59:08	1389.0000	1.269	1.193	1.322	29.815
06/29/11	10:02:08	1392.0000	1.272	1.193	1.325	29.817
06/29/11	10:05:08	1395.0000	1.275	1.202	1.328	29.819
06/29/11	10:08:08	1398.0000	1.274	1.202	1.326	29.821
06/29/11	10:11:08	1401.0000	1.270	1.194	1.323	29.821
06/29/11	10:14:08	1404.0000	1.274	1.191	1.322	29.827
06/29/11	10:17:08	1407.0000	1.272	1.200	1.324	29.831
06/29/11	10:20:08	1410.0000	1.272	1.198	1.327	29.834
06/29/11	10:23:08	1413.0000	1.275	1.199	1.323	29.838
06/29/11	10:26:08	1416.0000	1.276	1.202	1.324	29.829
06/29/11	10:29:08	1419.0000	1.272	1.195	1.321	29.915
06/29/11	10:32:08	1422.0000	1.273	1.204	1.325	29.935
06/29/11	10:35:08	1425.0000	1.275	1.199	1.323	29.939
06/29/11	10:38:08	1428.0000	1.274	1.193	1.320	29.933
06/29/11	10:41:08	1431.0000	1.270	1.195	1.320	29.958
06/29/11	10:44:08	1434.0000	1.276	1.204	1.325	30.057
06/29/11	10:47:08	1437.0000	1.272	1.203	1.324	30.078
06/29/11	10:50:08	1440.0000	1.275	1.201	1.324	30.064
06/29/11	10:53:08	1443.0000	1.275	1.198	1.320	30.049
06/29/11	10:56:08	1446.0000	1.270	1.187	1.319	30.029

APPENDIX B

GC Fingerprint Result: June 29, 2011

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

for

Atlantic Environmental Solutions, Inc.
5 Marine View Plaza
Suite 303
Hoboken, NJ 07030

Project Name: 547 10TH AVE.
Lab Case Number: E11-06316

RL = REPORTING LIMIT MDL = METHOD DETECTION LIMIT

GC-Fingerprint

Lab ID: 06316-001
Client ID: MW-4
Matrix-Units: Liquid-ug/L
Percent Moisture: 100

Date Sampled: 6/29/2011
Time Sampled: 14:10
Date Analyzed: 7/7/2011

Compound	Conc	Q	RL	MDL
GC-Fingerprint	☼			

☼=See Attached Pages

These data have been reviewed and accepted by:

Michael H. Leftin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 985 5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

GC FINGERPRINT ANALYSIS

Client/Project: Atlantic Environmental Solutions/547 10th AVE

Date Received: 6/29/11

Date Analyzed: 7/7/11

Lab ID	Client ID	RESULTS
06316-001	MW-4	This sample closely approximates but is not an exact match of a Fuel Oil No. 2. In many cases, petroleum products found in a site investigation have been chemically altered due to environmental exposure and the properties change. Variations in the sample as compared to the standards may be attributed to weathering. The most common forms of weathering are microbial degradation, evaporation and solubilization which can alter the composition of the material.

APPENDIX C

Laboratory Data Report: June 29, 2011

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Atlantic Environmental Solutions, Inc.
5 Marine View Plaza
Suite 303
Hoboken, NJ 07030

Project Name: **547 10TH AVE.**
IAL Case Number: **E11-06317**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

IAL is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (11402), Rhode Island (00126), Pennsylvania (68-00773) and in the Department of Navy IR QA Program

Sample Summary

IAL Case No.

E11-06317

Client Atlantic Environmental Solutions, Inc.

Project 547 10TH AVE.

Received On 6/29/2011@15:40

Lab ID	*Client Sample ID*	*Depth Top/Bottom*	*Sampling Time*	*Matrix*	*# of Container*
06317-001	MW-1	n/a	6/29/2011@13:20	Aqueous	4
06317-002	MW-2	n/a	6/29/2011@13:49	Aqueous	4
06317-003	MW-3	n/a	6/29/2011@13:34	Aqueous	4
06317-004	FIELD	n/a	6/29/2011@14:22	Aqueous	4
06317-005	TRIP	n/a	6/29/2011	Aqueous	2

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates the concentration was reported below the RL but above the MDL. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

RL - Reporting Limit.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

Q - Qualifier

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received five (5) aqueous sample(s) from Atlantic Environmental Solutions, Inc. (Project: 547 10TH AVE.) on June 29, 2011 for the analysis of:

(5) TAGM VO - Full List + MTBE & TBA
(4) TAGM BNA - Full List

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

7/14/11
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E11-06317

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E11 - 6317

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. BFB Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed		✓

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
	✓		

13. Comments:

Organics Manager

7/7/11
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS SEMIVOLATILE ANALYSIS

Lab Case Number: E11 - 06317

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. DFTPP Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.		✓
5. GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank: a. B/N Fraction _____ b. Acid Fraction _____		
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range) a. B/N Fraction _____ b. Acid Fraction _____		✓
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) a. B/N Fraction _____ b. Acid Fraction _____		✓
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

_____

_____

_____ 7/8/11

Organics Manager Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Atlantic Environmental Solutions, Inc.
Project: 547 10TH AVE.
Lab Case No.: E11-06317

Lab ID:	06317-001			06317-002			06317-003			06317-004		
Client ID:	MW-1			MW-2			MW-3			FIELD		
Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
Sampled Date	6/29/11			6/29/11			6/29/11			6/29/11		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (Units)	*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Vinyl chloride	ND		0.600	ND		0.300	ND		0.600	ND		0.300
Chloroethane	ND		0.960	ND		0.480	ND		0.960	ND		0.480
1,1-Dichloroethene	ND		0.820	ND		0.410	ND		0.820	ND		0.410
Acetone	ND		1.22	ND		0.610	ND		1.22	ND		0.610
Carbon disulfide	ND		0.660	ND		0.330	ND		0.660	ND		0.330
Methylene chloride	ND		3.96	ND		1.98	ND		3.96	ND		1.98
tert-Butyl alcohol (TBA)	40.5		2.94	132		1.47	10.8		2.94	ND		1.47
trans-1,2-Dichloroethene	ND		1.00	ND		0.500	ND		1.00	ND		0.500
Methyl tert-butyl ether (MTBE)	3.82		0.900	56.2		0.450	1.16	J	0.900	ND		0.450
1,1-Dichloroethane	ND		0.880	ND		0.440	ND		0.880	ND		0.440
2-Butanone (MEK)	ND		1.02	ND		0.510	ND		1.02	ND		0.510
Chloroform	ND		0.820	ND		0.410	ND		0.820	ND		0.410
1,1,1-Trichloroethane	ND		0.840	ND		0.420	ND		0.840	ND		0.420
Carbon tetrachloride	ND		0.580	ND		0.290	ND		0.580	ND		0.290
1,2-Dichloroethane (EDC)	ND		0.920	ND		0.460	ND		0.920	ND		0.460
Benzene	30.5		0.500	15.5		0.250	13.8		0.500	ND		0.250
Trichloroethene	ND		0.880	ND		0.440	ND		0.880	ND		0.440
4-Methyl-2-pentanone (MIBK)	ND		0.820	ND		0.410	ND		0.820	ND		0.410
Toluene	2.29		0.460	ND		0.230	0.708	J	0.460	ND		0.230
Tetrachloroethene	ND		0.760	ND		0.380	ND		0.760	ND		0.380
1,3-Dichloropropane	ND		0.860	ND		0.430	ND		0.860	ND		0.430
Dibromochloromethane	ND		0.860	ND		0.430	ND		0.860	ND		0.430
Chlorobenzene	ND		0.840	ND		0.420	ND		0.840	ND		0.420
Ethylbenzene	5.86		0.680	0.647	J	0.340	4.34		0.680	ND		0.340
Total Xylenes	ND		1.32	ND		0.660	2.23	J	1.32	ND		0.660
1,1,2,2-Tetrachloroethane	ND		0.560	ND		0.280	ND		0.560	ND		0.280
1,2,3-Trichloropropane	ND		1.50	ND		0.750	ND		1.50	ND		0.750
1,3-Dichlorobenzene	ND		0.820	ND		0.410	ND		0.820	ND		0.410
1,4-Dichlorobenzene	ND		0.860	ND		0.430	ND		0.860	ND		0.430
1,2-Dichlorobenzene	ND		0.680	ND		0.340	ND		0.680	ND		0.340
1,2,4-Trichlorobenzene	ND		0.680	ND		0.340	ND		0.680	ND		0.340
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.640	ND		0.320	ND		0.640	ND		0.320
TOTAL VO's:	83.0			204	J		33.0	J		ND		
Semivolatiles - BNA (Units)	*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
Phenol	ND		0.140	ND		0.140	ND		0.140	ND		0.140
Aniline	ND		0.260	ND		0.260	ND		0.260	ND		0.260
2-Chlorophenol	ND		0.260	ND		0.260	ND		0.260	ND		0.260
2-Methylphenol	ND		0.140	ND		0.140	ND		0.140	ND		0.140
4-Methylphenol	ND		0.210	ND		0.210	ND		0.210	ND		0.210
Nitrobenzene	ND		0.230	ND		0.230	ND		0.230	ND		0.230
Isophorone	ND		0.130	ND		0.130	ND		0.130	ND		0.130

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the RL and above the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.
Continued on Next Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Atlantic Environmental Solutions, Inc.
Project: 547 10TH AVE.
Lab Case No.: E11-06317

Lab ID:	06317-001			06317-002			06317-003			06317-004		
Client ID:	MW-1			MW-2			MW-3			FIELD		
Matrix:	Aqueous			Aqueous			Aqueous			Aqueous		
Sampled Date	6/29/11			6/29/11			6/29/11			6/29/11		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Semivolatiles - BNA (Units)	*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*			*(ug/L-ppb)*		
2-Nitrophenol	ND		0.250	ND		0.250	ND		0.250	ND		0.250
Benzoic acid	ND		0.280	ND		0.280	ND		0.280	ND		0.280
2,4-Dichlorophenol	ND		0.170	ND		0.170	ND		0.170	ND		0.170
Naphthalene	2.27		0.178	ND		0.178	2.84		0.178	ND		0.178
4-Chloroaniline	ND		0.110	0.959	J	0.110	ND		0.110	ND		0.110
4-Chloro-3-methylphenol	ND		0.150	ND		0.150	ND		0.150	ND		0.150
2-Methylnaphthalene	ND		0.178	ND		0.178	ND		0.178	ND		0.178
2,4,5-Trichlorophenol	ND		0.270	ND		0.270	ND		0.270	ND		0.270
2-Nitroaniline	ND		0.170	ND		0.170	ND		0.170	ND		0.170
Dimethyl phthalate	ND		0.170	ND		0.170	ND		0.170	ND		0.170
2,6-Dinitrotoluene	ND		0.430	ND		0.430	ND		0.430	ND		0.430
Acenaphthylene	ND		0.151	ND		0.151	ND		0.151	ND		0.151
3-Nitroaniline	ND		0.210	ND		0.210	ND		0.210	ND		0.210
Acenaphthene	0.817	J	0.116	0.324	J	0.116	0.464	J	0.116	ND		0.116
2,4-Dinitrophenol	ND		1.00	ND		1.00	ND		1.00	ND		1.00
4-Nitrophenol	ND		0.540	ND		0.540	ND		0.540	ND		0.540
Dibenzofuran	0.494	J	0.150	ND		0.150	ND		0.150	ND		0.150
Diethyl phthalate	ND		0.160	ND		0.160	ND		0.160	ND		0.160
Fluorene	0.878	J	0.229	ND		0.229	ND		0.229	ND		0.229
Hexachlorobenzene	ND		0.250	ND		0.250	ND		0.250	ND		0.250
Pentachlorophenol	ND		0.190	ND		0.190	ND		0.190	ND		0.190
Phenanthrene	ND		0.171	1.04		0.171	ND		0.171	ND		0.171
Anthracene	ND		0.152	ND		0.152	ND		0.152	ND		0.152
Di-n-butyl phthalate	ND		0.140	ND		0.140	ND		0.140	ND		0.140
Fluoranthene	ND		0.136	0.849	J	0.136	ND		0.136	ND		0.136
Pyrene	ND		0.181	0.734	J	0.181	ND		0.181	ND		0.181
Butyl benzyl phthalate	ND		0.140	ND		0.140	ND		0.140	ND		0.140
3,3'-Dichlorobenzidine	ND		0.200	ND		0.200	ND		0.200	ND		0.200
Benzo[a]anthracene	ND		0.220	0.315	J	0.220	ND		0.220	ND		0.220
Chrysene	ND		0.202	0.339	J	0.202	ND		0.202	ND		0.202
Bis(2-ethylhexyl) phthalate	ND		0.240	ND		0.240	ND		0.240	ND		0.240
Di-n-octyl phthalate	ND		0.140	ND		0.140	ND		0.140	ND		0.140
Benzo[b]fluoranthene	ND		0.170	ND		0.170	ND		0.170	ND		0.170
Benzo[k]fluoranthene	ND		0.250	ND		0.250	ND		0.250	ND		0.250
Benzo[a]pyrene	ND		0.290	ND		0.290	ND		0.290	ND		0.290
Indeno[1,2,3-cd]pyrene	ND		0.310	ND		0.310	ND		0.310	ND		0.310
Dibenz[a,h]anthracene	ND		0.210	ND		0.210	ND		0.210	ND		0.210
Benzo[g,h,i]perylene	ND		0.186	ND		0.186	ND		0.186	ND		0.186
TOTAL BNA'S:	4.46	J		4.56	J		3.30	J		ND		

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the RL and above the MDL
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Atlantic Environmental Solutions, Inc.
Project: 547 10TH AVE.
Lab Case No.: E11-06317

Lab ID:	**06317-005**		
Client ID:	**TRIP**		
Matrix:	**Aqueous**		
Sampled Date	**6/29/11**		
PARAMETER(Units)	Conc	Q	MDL
Volatiles (Units)	*(ug/L-ppb)*		
Vinyl chloride	ND		0.300
Chloroethane	ND		0.480
1,1-Dichloroethene	ND		0.410
Acetone	ND		0.610
Carbon disulfide	ND		0.330
Methylene chloride	ND		1.98
tert-Butyl alcohol (TBA)	ND		1.47
trans-1,2-Dichloroethene	ND		0.500
Methyl tert-butyl ether (MTBE)	ND		0.450
1,1-Dichloroethane	ND		0.440
2-Butanone (MEK)	ND		0.510
Chloroform	ND		0.410
1,1,1-Trichloroethane	ND		0.420
Carbon tetrachloride	ND		0.290
1,2-Dichloroethane (EDC)	ND		0.460
Benzene	ND		0.250
Trichloroethene	ND		0.440
4-Methyl-2-pentanone (MIBK)	ND		0.410
Toluene	ND		0.230
Tetrachloroethene	ND		0.380
1,3-Dichloropropane	ND		0.430
Dibromochloromethane	ND		0.430
Chlorobenzene	ND		0.420
Ethylbenzene	ND		0.340
Total Xylenes	ND		0.660
1,1,2,2-Tetrachloroethane	ND		0.280
1,2,3-Trichloropropane	ND		0.750
1,3-Dichlorobenzene	ND		0.410
1,4-Dichlorobenzene	ND		0.430
1,2-Dichlorobenzene	ND		0.340
1,2,4-Trichlorobenzene	ND		0.340
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.320
TOTAL VO's:	ND		

ND = Analyzed for but Not Detected at the MDL

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CUSTOMER INFO	
Company:	AESI
Address:	5 Marine View Plaza
	Hoboken, New Jersey 07030
Telephone #:	201.876.9400
Fax #:	201.876.9563
Project Manager:	Seamus Kelly
Sampler:	A. Biskupski
Project Name:	547 10th Ave
Project Location (State):	New York
Bottle Order #:	
Quote # :	

REPORTING INFO	
REPORT TO:	AESI
Address:	5 Marine View Plaza
	Hoboken, New Jersey 07030
Attn:	Seamus Kelly
FAX #	201.876.9563
INVOICE TO:	AESI
Address:	5 Marine View Plaza
	Suite 303
	Hoboken, New Jersey 07030
Attn:	Seamus Kelly
PO #	30170

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE

PHC - MUST CHOOSE

DRO (3-5 day TAT) QAM025 (5 day TAT min.)

SEE BELOW (under comments section for explanation)

Verbal/Fax 2 wk/Std Results needed by:

24 hr* 48 hr* 72 hr* 1 wk*

Hard Copy 3 wk/Std

Other * call for price

Rush TAT Charge **

24 hr - 100%...
48 hr - 75%....
72 hr - 50%....
96 hr - 35%....
5 day - 25%....
6-9 day 10%

Report Format	DISKETTE
Results Only	SRP.dbf format
Reduced	SRP.wk1 format
Regulatory - 15% Surcharge applies	lab approved custom EDD
Other (describe)	NO DISK/CD REQ'D

Cooler Temp 4 °C

SAMPLE INFORMATION

Sample Matrix

DW - Drinking Water AQ - Aqueous WW - Waste Water
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)
S - Soil SL - Sludge SOL - Solid W - Wipe

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containe	IAL #	TAGM VOCs	TAGM SVOCs	HCl	NaOH	HNO3	H2SO4	MeOH	Other	None	Encore
MW-1		6/29/2011	1320	AQ	4	1	X	X	2						2	
MW-2		6/29/2011	1349	AQ	4	2	X	X	2						2	
MW-3		6/29/2011	1334	AQ	4	3	X	X	2						2	
~~MW-4~~		~~6/29/2011~~		~~AQ~~	~~4~~		~~X~~	~~X~~	2						2	
Field		6/29/2011	1422	AQ	4	4	X	X	2						2	
Trip		6/29/2011	—	AQ	2	5	X		2							

Known Hazard: Yes or No Describe: Gasoline

Conc. Expected: Low Med High

MDL Req: Old GWQS - 11/05 GWQS - SCC OTHER (SEE COMMENTS)

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

	Signature/Company	Date	Time	Signature/Company
Relinquished by:		6/29/2011	1540	Received by:
Relinquished by:				Received by:
Relinquished by:				Received by:
Relinquished by:				Received by:
Relinquished by:				Received by:

Comments: NYSDEC deliverables

DRO (8015B) - used for: Fuel Oil #2/Home Heating Oil #1/#2
QAM-025 (OQA-QAM025) - used for: all other fuel oil and unknown contaminants.

Lab Case # 06317

PAGE: 1 of 1

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

PROJECT INFORMATION

E11-06317

Case No. E11-06317 **Project** 547 10TH AVE.

Customer	**Atlantic Environmental Solutions, Inc.**	**P.O. #**	30170
Contact	Seamus Kelly	**Received**	6/29/2011 15:40
EMail	skelly@solutionsenvironmental.c☐ EMail EDDs	**Verbal Due**	7/14/2011
Phone	(201) 876-9400 **Fax** 1(201) 876-9563	**Report Due**	7/21/2011

Report To

5 Marine View Plaza
Suite 303
Hoboken, NJ 07030
Attn: Seamus Kelly

Bill To

5 Marine View Plaza
Suite 303
Hoboken, NJ 07030
Attn: Seamus Kelly

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
06317-001	MW-1	n/a	6/29/2011@13:20	Aqueous	ug/L	4
06317-002	MW-2	n/a	6/29/2011@13:49	Aqueous	ug/L	4
06317-003	MW-3	n/a	6/29/2011@13:34	Aqueous	ug/L	4
06317-004	FIELD	n/a	6/29/2011@14:22	Aqueous	ug/L	4
06317-005	TRIP	n/a	6/29/2011	Aqueous	ug/L	2

Sample #	Tests	Status	QA Method
001	TAGM VO - Full List + MTBE _TBA	Run	8260B
"	TAGM BNA - Full List	Run	8270C
002	TAGM VO - Full List + MTBE _TBA	Run	8260B
"	TAGM BNA - Full List	Run	8270C
003	TAGM VO - Full List + MTBE _TBA	Run	8260B
"	TAGM BNA - Full List	Run	8270C
004	TAGM VO - Full List + MTBE _TBA	Run	8260B
"	TAGM BNA - Full List	Run	8270C
005	TAGM VO - Full List + MTBE _TBA	Run	8260B

07/01/2011 09:33 by kim - REV 1

ADD MTBE & TBA TO TAGM VO LIST PER SEAMUS KELLY.

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 11** **06317** CLIENT: AESI

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

Comments

COC: (COMPLETE) / INCOMPLETE

KEY

✓ = YES/NA
✗ = NO

✓	Bottles Intact	
✓	no-Missing Bottles	
✓	no-Extra Bottles	
✓	Sufficient Sample Volume	
✓	no-headspace/bubbles in VOs	
✓	Labels intact/correct	
✓	pH Check (exclude VOs)[1]	
✓	Correct bottles/preservative	
✓	Sufficient Holding/Prep Time[1]	
	Sample to be Subcontracted	
✓	**Chain of Custody is Clear**	

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [signature] DATE 6/29/11

CORRECTIVE ACTION REQUIRED: **YES** (SEE BELOW) **NO** ✓

If COC is **NOT** clear, ***STOP*** until you get client to authorize/clarify work.

CLIENT NOTIFIED: YES Date/ Time: NO ✓

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [signature] DATE 6-30-11

Laboratory Custody Chronicle

IAL Case No.

E11-06317

Client Atlantic Environmental Solutions, Inc.

Project 547 10TH AVE.

Received On 6/29/2011@15:40

Department: Volatiles			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
TAGM VO - Full List + MTBE & TBA	06317-001	Aqueous	n/a	n/a	7/ 5/11	Xing
"	-002	"	n/a	n/a	7/ 5/11	Xing
"	-003	"	n/a	n/a	7/ 5/11	Xing
"	-004	"	n/a	n/a	7/ 5/11	Xing
"	-005	"	n/a	n/a	7/ 5/11	Xing

Department: Semivolatiles			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
TAGM BNA - Full List	-001	Aqueous	7/ 6/11	Kou-Liang	7/ 8/11	JC
"	-002	"	7/ 6/11	Kou-Liang	7/ 7/11	JC
"	-003	"	7/ 6/11	Kou-Liang	7/ 8/11	JC
"	-004	"	7/ 6/11	Kou-Liang	7/ 7/11	JC

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

ATLANTIC ENVIRONMENTAL SOLUTIONS, INC.

October 31, 2011

Hiralkumar Patel
Environmental Engineer 1
Spill Prevention & Response Section
NYS Department of Environmental Conservation
47-40 21st Street
Long Island City, NY 11101

Re: Well Gauging Report
Spill # 9503865
547 10th Avenue
New York, NY

Dear Mr. Patel:

As you are aware, Atlantic Environmental Solutions, Inc. (AESI) has been involved in the investigation of groundwater contamination at the property located at 547 10th Avenue, New York, New York, on behalf of Solil Management. In June 2011 AESI performed a groundwater monitoring event at the property at the request of the New York State Department of Environmental Protection. During the monitoring event, AESI encountered floating free phase petroleum product in monitoring well MW-4. A fingerprint sample of the product was collected and submitted for analyses. Laboratory results indicate that the product closely approximates #2 fuel oil and may have been degraded through weathering.

On August 4, 2011, AESI received an email from the NYSDEC case manager, Mr. Hiralkumar Patel, requesting "*that well MW-4 must be gauged (to find out product thickness) and product must be removed by the end of 08/10/11. In addition to the quarterly groundwater monitoring-sampling of the existing wells (as per the letter dated 04/22/11), the Department also requires bi-weekly monitoring of the existing wells and recovery of free product, for next three months. Records of bi-weekly gauging/product removal must be submitted with the quarterly groundwater sampling report by the end of 10/31/11. Records of bi-weekly gauging/product removal must include but not limited to depth to water, depth to product, product thickness, dates of monitoring, method of recovery, amount recovered during the monitoring event and amount recovered to date. The Department may require additional investigation after reviewing the report.*"

On August 5, 2011, AESI requested an extension of one week to perform the product removal to allow time to gain disposal facility acceptance. On October 16, 2011, AESI mobilized to the site to gauge the monitoring wells and perform the first product removal event. The four (4) monitoring wells were accessed, field screened and gauged for depth to water and product thickness. Product was only encountered in MW-4. Approximately 0.4 feet of measurable product was present in the well.

Product removal was accomplished using vacuum extraction. The removed oil/water mixture was disposed of at Clean Water of New York, in Staten Island. A total of 362 gallons of liquid was removed from the wells and disposed of. MW-4 was gauged again following the product removal, and no measurable product was encountered. Please refer to Table 1 for the well gauging log and Appendix A for the liquid disposal manifests.
AESI returned to the site on August 30, 2011 to gauge the wells. The four (4) monitoring wells were accessed, field screened and gauged for depth to water and product thickness. Product was only encountered in MW-4. Approximately 0.5 feet of measurable product was present in the well. AESI informed the client and recommended that another removal event be conducted at the site.

On September 12, 2011, AESI returned to the site to conduct vacuum extraction of the product in MW-4. Each of the wells was gauged and product was only identified in MW-4. Approximately 0.6 feet of product was present. The vacuum event yielded a total of 2,370 gallons of oil/water mixture which was transported to Clean Water of New York, Staten Island, NY for disposal. MW-4 was gauged again following the product removal, and no measurable product was encountered. Please refer to Table 1 for the well gauging log and Appendix A for the liquid disposal manifests.

On October 11, 2011, AESI returned to the site to gauge the wells. The four (4) monitoring wells were accessed, field screened and gauged for depth to water and product thickness. Product was only encountered in MW-4. Approximately 0.3 feet of measurable product was present in the well. AESI informed the client and recommended that another removal event be conducted at the site.

On October 28, 2011, AESI returned to the site to conduct vacuum extraction of the product in MW-4. Each of the wells was gauged and product was only identified in MW-4. Approximately 0.4 feet of product was present. The vacuum event yielded a total of 942 gallons of oil/water mixture which was transported to Clean Water of New York, Staten Island, NY for disposal. MW-4 was gauged again following the product removal, and no measurable product was encountered. Please refer to Table 1 for the well gauging log. The disposal manifest for this event will be forwarded to you upon receipt from the facility.

AESI recommends that the gauging continue as a monthly event for the next quarter as the product level appears to be diminishing as a result of the vacuum extraction.

Should you have any questions regarding this report, please feel free to contact me at your convenience.

Very truly yours,

Seamus Kelly
Project Manager

Jeffrey W. Anderson, CHMM
Vice President

CC: Matt Lobron, Extell Development
Joseph Grabowski, Solil Management

TABLE 1

Well Gauging Results 547 10th Avenue

8/16/2011	70 degrees, Overcast			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	10.5	ND	29	0
MW-2	11.4	ND	27	0
MW-3	11.2	ND	0.3	0
MW-4	11.3	10.9	1.3	0.4

Vacuum Extraction performed 8/16/2011. 362 gallons of petroleum contaminated water removed from MW-4

8/30/2011	80 degrees, Sunny			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	10.5	ND	15.6	0
MW-2	11.4	ND	5.5	0
MW-3	10.9	ND	0	0
MW-4	11.7	11.2	103	0.5

9/12/2011	70 degrees, Sunny			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	10.8	ND	4.3	0
MW-2	11.4	ND	0	0
MW-3	11.2	ND	0	0
MW-4	12	11.4	91	0.6

Vacuum Extraction performed 9/12/2011. 2,370 gallons of petroleum contaminated water removed from MW-4

10/11/2011				
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	12.1	ND	11.9	0
MW-2	12.5	ND	0.3	0
MW-3	12.6	ND	12	0
MW-4	12.3	12.6	8.1	0.3

10/28/2011	40 degrees, sunny			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	12.45	ND	0	0
MW-2	12.9	ND	0	0
MW-3	12.8	ND	0	0
MW-4	13.1	12.7	0	0.4

Vacuum Extraction performed 10/28/2011. 942 gallons of petroleum contaminated water removed from MW-4

APPENDIX A

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
N/A		(877) 319-0800	JOB-108628

5. Generator's Name and Mailing Address
ATLANTIC ENVIRONMENTAL SOLUTIONS II
5 MARINE VIEW PLAZA SUITE 303
HOBOKEN NJ.
(201) 876-9400
Generator's Phone:

Generator's Site Address (if different than mailing address)
547 10TH AVE. & 41ST STREET N.Y.

6. Transporter 1 Company Name
WILLIAM J. LAUER CORP.
U.S. EPA ID Number
NYR000157644

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CLEAN WATER OF NEW YORK, INC.
3249 RICHMOND TERRACE - STATEN ISLAND, NY 10303
U.S. EPA ID Number
NY0000968545
Facility's Phone: (718) 981-4600

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	NON DOT NON RCRA PETROLEUM CONTAMINATED WATER	XX	TT	362	G
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
WM501
START VAC AT 0824
FINISH VAC AT 13:55
VACS1

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: X SEAMUS KELLY
Signature: X
Month 08 Day 16 Year 11

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DOMINGO A QUEZADA
Signature:
Month 08 Day 16 Year 11

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

17b. Alternate Facility (or Generator) Soil Management, LLC
6405 4th Ave #3, NY, NY 10018
Facility's Phone:
Manifest Reference Number:
Site: 547 10th Ave, NY, NY
U.S. EPA ID Number

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month 08 Day 16 Year 11

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
		(877) 319-0800	JOB-109339

5. Generator's Name and Mailing Address: SOIL MANAGEMENT, LLC
547 10TH AVE
NEW YORK NY 10018

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: WILLIAM J. LAUER CORP.
U.S. EPA ID Number: NYR000157644

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CLEAN WATER OF NEW YORK, INC.
3249 RICHMOND TERRACE - STATEN ISLAND, NY 10303
U.S. EPA ID Number: NY0000968545

Facility's Phone: (718) 981-4600

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON DOT NON RCRA PETROLEUM CONTAMINATED WATER	XX1	TT	2,370	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
WM501
START VAC - 09:35
FINISH VAC - 15:45
WORK FOR: ATLANTIC INV. SOLUTION
5 MARINE VIEW PLAZA 303
HOBOKEN, NJ 07030
(201) 876-9400
VAC51

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: X SEAMUS KELLY
Signature: X
Month Day Year: 09 12 11

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DOMINGO A QUEZADA
Signature:
Month Day Year: 09 12 11

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month Day Year: 09 12 11

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
		(877) 318-0900	[illegible]

GENERATOR

5. Generator's Name and Mailing Address: SOIL MANAGEMENT, LLC. 349 RT 440 AVE. NEW DORP, NY 10302

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: WILLIAM J. LAUER CORP — U.S. EPA ID Number: NYR000157644

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: CLEAN WATER OF NEW YORK, INC. 2249 RICHMOND TERRACE - STATEN ISLAND, NY 10303 — U.S. EPA ID Number: NY0000066545

Facility's Phone: (718) 981-4600

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON DOT NON REG. CONTAMINATED WATER	1	TT	9+2	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information: MAKE SURE ATLANTIC ENV. LAUER'S SAMPLING VERIFICATION FORM IS FILLED OUT. (201) 825-1400

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name — Signature — Month — Day — Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] — Signature — Month — Day — Year

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month — Day — Year

APPENDIX B

GEOPHYSICAL REPORT

GEOPHYSICAL INVESTIGATION REPORT

PERFORMED AT:

547 10th Avenue
New York, NY 10018

PREPARED FOR:

Dustin Kapson
AKRF
440 Park Avenue South
7th Floor
New York, NY 10016

PREPARED BY:

Matt Heaney
Geophysicist
Enviroprobe Service, Inc.
908 N Lenola Road
Moorestown, NJ 08057
(856) 858-8584
(800) 596-7472

December 16, 2011

1.0 INTRODUCTION

Enviroprobe Service, Inc. (Enviroprobe) is an environmental investigation services firm which provides monitoring well installation (HSA), Geoprobe (DPT) drilling services and Environmental & Engineering Geophysics (EEG) services to the environmental consulting and engineering community.

Enviroprobe conducted a subsurface geophysical investigation at the subject property within client-specified areas of concern. Due to conditions and objectives, the investigation utilized a Sensors and Software N250Plus cart-mounted Ground Penetrating Radar (GPR) unit with a 250 MHz antenna, a Radiodetection 4000T3 multi-frequency transmitter, a Radiodetection 4000 receiver, and a Fisher TW-6 metallic locator.

Ground penetrating radar (commonly called GPR) is a geophysical method that has been developed over the past thirty years for shallow, high-resolution, subsurface investigations of the earth. GPR uses high frequency pulsed electromagnetic waves (generally 10 MHz to 2,000 MHz) to acquire subsurface information. An EM wave is propagated downward into the ground by a transmitting antenna. Where abrupt changes in electrical properties occur in the subsurface, a portion of the energy is reflected back to the surface. This reflected wave is detected by a receiver antenna and transmitted to a control unit for real time processing and display. The penetration depth of the N250Plus unit varies from several inches to tens of feet according to site-specific conditions. The penetration depth decreases with increased soil conductivity. The penetration depth is the greatest in ice, dry sands, and fine gravels. Clayey, highly saline or saturated soils, areas covered by concrete, foundry slag, or other highly conductive materials greatly reduce GPR penetration. GPR is a method that is commonly used for environmental, engineering, archaeological, and other shallow investigations.

The Radiodetection (RD) transmitter and receiver are commonly used for pipe and cable locating. The multi-frequency transmitter can be directly connected, clamped, or used to induce a signal in a target line while the multi-frequency receiver is used to measure the signal from energized lines.

The Fisher TW-6 metallic locator is designed to find pipes, cables and other metallic objects such as underground storage tanks (USTs). The TW-6 transmitter generates an electromagnetic field that induces electrical currents in the subsurface. These currents produce a secondary electromagnetic field that is measured by the TW-6 receiver. One surveyor can carry both the transmitter and receiver together to search for underground metallic objects, although the TW-6 response can also be affected by the electrical properties of non-metallic materials in the subsurface.

2.0 SCOPE OF WORK

On December 14, 2011, a geophysicist from Enviroprobe Service Inc. was mobilized to the subject property to perform a geophysical investigation. The purpose of this investigation was to detect possible USTs and designate underground conduits/utilities within client-specified portions of the subject property. The survey included interior and exterior areas at a former service station. The ground surface of the survey area consisted of paved, gravel, and broken concrete surfaces.

3.0 SURVEY RESULTS

The survey was conducted using a cart-mounted GPR unit, a Fisher TW-6 metallic locator, and a RD unit. The GPR and TW-6 were used in a grid pattern over all client-specified areas of the property. Based on the results of the GPR and TW-6 surveys, two metallic anomalies and four non-metallic anomalies were identified. None of these anomalies were considered consistent with an UST. One of the non-metallic anomalies was consistent with prior excavation. A nearby vent pipe was also designated running towards this anomaly [Figure 1]. GPR signals in the area of another non-metallic anomaly were considered consistent with a buried concrete pad or vault cover [Figure 2]. The RD unit was used to trace common utilities from sources in and around the survey area. Designated utilities were marked on-site with pink spray paint.

4.0 LIMITATIONS

The client-selected areas of the property contained obstructions including miscellaneous debris and hydraulic lifts. These objects prevented a thorough investigation of the spaces beneath and immediately adjacent to them.

Due to surface conditions and subsurface content, the GPR signal penetration was estimated at 3 feet in the majority of the survey area. This penetration was reduced to less than 2 feet in areas of concrete cover.

The TW-6 survey was kept up to 6 feet away from aboveground objects containing metals depending on the sizes, shapes and positions of the metal objects. The TW-6 survey was not effective in areas with reinforced concrete.

Due to the dielectric properties of the subsurface, plastic polymer and fiberglass utilities may not have been detected.

All field services were conducted in compliance with the industry standard of care guidelines found in ASCE 38-02 (Level B).

5.0 WARRANTIES

The field observations and measurements reported herein are considered sufficient in detail and scope for this project. Enviroprobe Service, Inc. warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted environmental engineering methods. There is a possibility that conditions may exist which could not be identified within the scope of this project and were not apparent during the site activities performed for this project.

Enviroprobe represents that the services were performed in a manner consistent with that level of care and skill ordinarily exercised by environmental consultants under similar circumstances. No other representations to Client, express or implied, and no warranty or guarantee is included or intended in this agreement, or in any report, document, or otherwise.

Enviroprobe Service, Inc. believes that the information provided in this report is reliable. However, Enviroprobe cannot warrant or guarantee that the information provided by others is complete or accurate. No other warranties or guarantees are implied or expressed.

GPR data is subject to signal anomalies and operator interpretation. The GPR data is intended to provide the locations of areas of concern requiring additional investigation or the approximate location of underground structures and utilities. Great care must be utilized when excavating and/or drilling around underground structures and utilities since GPR data can only be used for estimation purposes and GPR data is subject to misinterpretation. Enviroprobe can not guarantee that utilities, post-tension cables, and/or rebar will not be incurred during drilling, cutting, coring, or excavating activities.

This report was prepared pursuant to the contract Enviroprobe has with the Client. That contractual relationship included an exchange of information about the property that was unique and between Enviroprobe and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between Enviroprobe and its client, reliance or any use of this report by anyone other than the Client, for whom it was prepared, is prohibited and therefore not foreseeable to Enviroprobe.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third party beneficiary to Enviroprobe contract with the Client. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

Figure 1 – Non-metallic anomaly consistent with a prior excavation designated with pink paint. A nearby vent line is also designated with pink arrows.

Figure 2 – Non-metallic anomaly consistent with buried concrete pad designated in pink.

APPENDIX C

BORING LOGS

SOIL BORING LOG

AKRF Project Number: 11454

Boring No. **SB- 1**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra
Sampler: D. Kapson

Drilling
Start **Time** 9:20
Finish **Time** 9:50
Date 12/28/2011
Weather: 40 °F, Partly Cloudy

Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt - 4"	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	27	Top 7": Black SAND and fine GRAVEL, trace Silt (FILL).	ND	Dry	ND	ND	SB-1(3-4)
2		Middle 6": CONCRETE and SAND (FILL).	ND	Dry	ND	ND	
3							
4		Bottom 14": Dark Brown SAND, some fine Gravel, trace Brick (FILL).	ND	Dry	ND	ND	
5							
6	30	Top 12":Grey-brown SAND, little fine Gravel, trace Silt (FILL).	ND	Dry	ND	ND	
7							
8			ND	Dry	ND	ND	
9		Bottom 18": Dark Brown SAND and BRICK, trace Ash (FILL).	ND	Dry	ND	ND	
10							
11	39	Top 19": Brown SAND, little Brick, fine Gravel (FILL).	ND	Moist	ND	ND	SB-1 (13-14)
12							
13		Middle 5": Brown fine SAND, little Silt.	ND	Moist	ND	ND	
14		Bottom 15": Brown fine SAND, some Silt.	ND	Moist	ND	ND	
15			ND	Wet	ND	ND	
16	43	Top 33": Grey SAND, some Silt, trace fine Gravel.	ND	Wet	ND	ND	
17			ND	Wet	ND	ND	
18			ND	Wet	ND	ND	
19		Bottom 9": Grey-brown SAND, little Silt.	ND	Wet	ND	ND	
20		EOB @ 20' below grade.					

Notes:
Groundwater encountered at 15 feet below grade. Groundwater Sample TW-1 collected.

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

AKRF Project Number: 11454

Boring No. **SB- 2**
Sheet 1 of 1

440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra
Sampler: D. Kapson

Drilling
Start **Time** 10:20
Finish **Time** 10:45
Date 12/28/2011
Weather: 40 °F, Partly Cloudy

Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt - 4"	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	29	Top 10": Grey-black SAND and fine GRAVEL, trace Asphalt (FILL).	ND	Dry	ND	ND	SB-2(0-1)
2			ND	Dry	ND	ND	
3		Bottom 19": BRICK, trace Sand (FILL).	ND	Dry	ND	ND	
4							
5							
6	31	Top 10": BRICK, trace SAND (FILL).	ND	Dry	ND	ND	
7			ND	Dry	ND	ND	
8		Bottom 21": Light brown SAND, little fine Gravel, trace Brick, Silt (FILL).	ND	Dry	ND	ND	
9			ND	Dry	ND	ND	
10							
11	38	Top 8": Light brown SAND, little fine Gravel, trace Brick, Silt (FILL).	ND	Dry	ND	ND	
12		Middle 10": Light brown SAND, little Silt, trace fine Gravel.	ND	Moist	ND	ND	
13							SB-2 (13-14)
14		Bottom 20": Brown fine SAND, little Silt, trace Gravel	ND	Wet	ND	ND	
15							
16	42	Top 6" Slough.	ND	Wet	ND	ND	
17		Middle 8": Dark Grey-brown SAND, little fine Gravel, trac Silt.	ND	Wet	ND	ND	
18		Bottom 28": Grey-brown SAND, some Silt.	ND	Wet	ND	ND	
19			ND	Wet	ND	ND	
20		EOB @ 20' below grade.					

Notes:
Groundwater encountered at 14 feet below grade. Groundwater Sample TW-2 collected.

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

AKRF Project Number: 11454

Boring No. **SB- 3**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra
Sampler: D. Kapson

Drilling
Start **Time** 11:05
Finish **Time** 11:30
Date 12/28/2011
Weather: 40 °F, Partly Cloudy

Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt - 3"	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	30	Top 6": Grey-black SAND, some fine Gravel, trace Brick, Silt (FILL).	ND	Dry	ND	ND	SB-3(1-2)
2							
3		Middle 14": Brown SAND and BRICK, little fine Gravel (FILL).	ND	Dry	ND	ND	
4		Bottom 10": BRICK and GRAVEL (FILL).	ND	Dry	ND	ND	
5							
6	33	Top 6": BRICK and GRAVEL (FILL).	ND	Dry	ND	ND	
7							
8		Middle 6": Brown SAND and ASH, trace Brick (FILL).	ND	Dry	ND	ND	
9		Bottom 21": Brown SAND, little Silt, trace fine Gravel, Brick (FILL).	ND	Dry	ND	ND	
10							
11	37	Top 12": Brown SAND, little Silt, trace fine Gravel, Brick (FILL).	ND	Dry	ND	ND	
12							
13		Middle 10": Brown SAND, little Silt, trace fine Gravel.	ND	Dry	ND	ND	
14		Bottom 10": Drilled through a cobble.	ND	Dry	ND	ND	SB-3 (13-14)
15							
16	41	Top 8": Brown SAND, little Silt.	Organic	Wet	ND	ND	
17							
18		Middle 25": Grey fine SAND, some Silt.	Organic	Wet	ND	ND	
19		Bottom 8": Grey SAND, some Silt, trace fine Gravel.	Organic	Wet	ND	ND	
20		EOB @ 20' below grade.					

Notes:
Groundwater encountered at 15 feet below grade.

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

AKRF Project Number: 11454

Boring No. **SB- 4**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra
Sampler: D. Kapson

Drilling
Start Time 11:30
Finish Time 12:10
Date 12/28/2011
Weather: 40 °F, Partly Cloudy

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete - 6"	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	32	Top 8": Grey SAND and GRAVEL, trace Concrete (FILL).	ND	Dry	ND	ND	
2							
3		Middle 6": Dark brown SAND, little fine Gravel, trace Brick (FILL).	ND	Dry	ND	ND	SB-4(2-3)
4		Bottom 18": Brown fine to medium SAND, little Silt, trace Brick.	ND	Dry	ND	ND	
5							
6	31	Top 10": BRICK and SAND (FILL).	ND	Dry	ND	ND	
7							
8		Middle 15": Brown SAND, some fine Gravel, trace Ash, Silt (FILL).	ND	Dry	ND	ND	
9							
10		Bottom 6": Brown SAND, little Silt, trace fine Gravel, Ash (FILL).	ND	Dry	ND	ND	
11	35	Top 20": Brown SAND, little Silt, trace fine Gravel, Ash (FILL).	ND	Dry	ND	ND	
12							
13		Bottom 15": Brown SAND, little fine Gravel, trace Silt.	ND	Moist	ND	ND	
14							SB-4 (14-15)
15			ND	Moist	ND	ND	
16	42	Top 15": Brown SAND, some Silt, little fine Gravel.	ND	Wet	ND	ND	
17			ND	Wet	ND	ND	
18		Middle 6": Brown SAND, little fine Gravel.	ND	Wet	ND	ND	
19		Bottom 21": Brown SILT, trace fine Gravel.	Organic	Wet	ND	ND	
20		EOB @ 20' below grade.					

Notes:
Groundwater encountered at 15.5 feet below grade. Groundwater Sample TW-4 collected.

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

AKRF Project Number: 11454

Boring No. **SB- 5**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra
Sampler: D. Kapson

Drilling
Start Time 12:25 **Finish Time** 12:50
Date 12/28/2011
Weather: 40 °F, Partly Cloudy

Depth (feet)	Recovery (Inches)	Surface Condition: Broken Asphalt - 4"	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	28	Top 20": Grey-black SAND, some fine Gravel, trace Concrete, Ash (FILL).	ND	Dry	ND	ND	
2			ND	Dry	ND	ND	SB-5(2-3)
3							
4		Bottom 8": BRICK, trace Sand (FILL).	ND	Dry	ND	ND	
5							
6	32	Top 10": BRICK, trace Sand (FILL).	ND	Dry	ND	ND	
7							
8		Bottom 22": Brown SAND, little Silt, fine Gravel, trace Brick, Ash (FILL).	ND	Dry	ND	ND	
9							
10			ND	Dry	ND	ND	
11	35						
12		Top 22": Brown SAND, little Silt, fine Gravel, trace Brick (FILL).	ND	Dry	ND	ND	
13			ND	Moist	ND	ND	
14		Bottom 13": Brown-black SAND, little fine Gravel.	Petroleum	Moist	2.5	ND	SB-5 (14-15)
15			Petroleum	Moist	4.5	ND	
16	0						
17							
18		Macrocore is saturated with Groundwater, no recovery.	Petroleum				
19							
20		EOB @ 20' below grade.					

Notes:
Groundwater encountered at 15 feet below grade.

PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

AKRF Project Number: 11454

Boring No. **SB- 6**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra
Sampler: D. Kapson

Drilling
Start Time 13:15
Finish Time 13:55
Date 12/28/2011
Weather: 40 °F, Partly Cloudy

Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt - 6" (Two layers)	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	27	Top 6": Grey SAND and GRAVEL (FILL).	ND	Dry	ND	ND	SB-6(1-2)
2		Middle 12": Brown SAND, little Brick, Gravel, trace Silt, Asphalt (FILL).	ND	Dry	ND	ND	
3							
4		Bottom 9": BRICK and SAND, trace Ash (FILL).	ND	Dry	ND	ND	
5							
6	31	BRICK and SAND, trace Ash, Gravel (FILL).	ND	Dry	ND	ND	
7							
8							
9							
10							
11	29	Top 6": BRICK and SAND, trace Ash, Gravel (FILL).	ND	Dry	ND	ND	
12		Bottom 23": Brown SAND, little Silt, trace Gravel, Silt.	Faint Gasoline	Moist	ND	ND	SB-6 (13-14)
13							
14				Moist	ND	ND	
15		EOB @ 14' below grade due to refusal.					
16							
17							
18							
19							
20							

Notes:
Groundwater not encountered.

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

AKRF Project Number: 11454

Boring No. **SB- 7**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra
Sampler: D. Kapson

Drilling
Start Time 14:20
Finish Time 14:55
Date 12/28/2011
Weather: 40 °F, Partly Cloudy

Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt - 5"	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	28	Top 4": BRICK, trace Sand (FILL).	ND	Dry	ND	ND	
2							
3		Bottom 24": Dark brown SAND, little Silt, fine Gravel, trace Brick (FILL).	ND	Dry	ND	ND	SB-7(3-4)
4							
5							
6	30	Top 20": Brown SAND, some Ash, trace Brick (FILL).	ND	Dry	ND	ND	
7							
8			ND	Dry	ND	ND	
9		Bottom 10": Brown SAND and WOOD (FILL).	ND	Dry	ND	ND	
10							
11	39	Top 4": Brown SAND and WOOD (FILL).	ND	Dry	ND	ND	
12		Middle 12": Brown SAND and BRICK, trace Silt (FILL).	ND	Dry	ND	ND	
13							
14		Bottom 23": Grey-black SAND, some fine Gravel, trace Silt (FILL).	Faint Gasoline	Moist	4.5	ND	
15				Moist	6.7	ND	SB-7 (14-15)
16	45	Top 22": Brown SAND, some fine Gravel, little Brick (FILL).	ND	Wet	ND		
17							
18		Bottom 23": Grey fine SAND, some Silt, trace fine Gravel.	Organic	Wet	ND		
19							
20		EOB @ 20' below grade.	Organic	Wet	ND		

Notes:
Groundwater encountered at 15.5 feet below grade. Groundwater Sample TW-7 collected.

PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

AKRF Project Number: 11454

Boring No. **SB- 8**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra
Sampler: D. Kapson

Drilling
Start **Time** 15:10
Finish **Time** 15:40
Date 12/28/2011
Weather: 40 °F, Partly Cloudy

Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt - 4"	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	25	Top 9": Grey SAND and CONCRETE (FILL).	ND	Dry	ND	ND	
2		Middle 5": BRICK, trace Sand (FILL).	ND	Dry	ND	ND	
3		Bottom 11": Brown SAND, little Silt, Brick, trace fine Gravel (FILL).	ND	Dry	ND	ND	
4							SB-8(4-5)
5							
6	33	Top 12': BRICK and SAND, trace Ash (FILL).	ND	Dry	ND	ND	
7							
8							
9		Bottom 21": Brown SAND, some fine Gravel, little Brick, trace Ash (FILL).	ND	Dry	ND	ND	
10			ND	Dry	ND	ND	
11	38	Top 10": Brown SAND, some fine Gravel, little Brick, trac Ash (FILL).	ND	Dry	ND	ND	
12		Middle 12": Drilled through a Piece of Wood.	ND	Moist	ND	ND	
13							
14		Bottom 16": Brown SAND, little Wood, trace Glass, fine Gravel (FILL).	Degraded Gasoline	Moist	11.5	ND	
15				Wet	30.6 61.4	ND	SB-8 (14-15)
16		EOB @ 15' below grade due to refusal.					
17							
18							
19							
20							

Notes:
Groundwater encountered at 15 feet below grade. Groundwater Sample TW-8 collected.

PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

AKRF Project Number: 11454

Boring No. **SB- 9**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra
Sampler: D. Kapson

Drilling
Start **Time** 15:30
Finish **Time** 16:10
Date 12/28/2011
Weather: 40 °F, Partly Cloudy

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete - 4"	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	25	Top 11": Dark brown SAND, little fine Gravel, trace Silt, Ash (FILL).	ND	Dry	ND	ND	
2							
3		Bottom 14": Brown SAND, little fine Gravel, trace Brick, Ash (FILL).	ND	Dry	ND	ND	SB-9(3-4)
4							
5			ND	Dry	ND	ND	
6	27	Top 14": Brown SAND and GRAVEL, trace Silt, Ash (FILL).	ND	Dry	ND	ND	
7							
8		Bottom 13": Brown SAND, little Silt, trace Gravel, Brick (FILL).	ND	Dry	ND	ND	
9							
10							
11	30	Top 6': Slough	ND	Dry	ND	ND	
12		Middle 12": Brown SAND, little Silt, fine Gravel, trace Ash (FILL).	ND	Dry	ND	ND	
13					5.5	ND	
14		Bottom 12": Grey-black SAND, little fine Gravel, Silt (FILL) (Apparent Petroleum Staining).	Petroleum	Moist	17.9	ND	SB-9 (14-15)
15			Petroleum	Wet	10.5 8.9	ND ND	
16	41	Top 7": Grey-black SAND, little fine Gravel, trace Silt (FILL).	Petroleum	Wet	6.5	ND	
17			Petroleum	Wet	5.4	ND	
18		Middle 15": Brown fine SAND, some Silt, trace fine Gravel. (green staining apparent)			7.5	ND	
19		Bottom 19": Dark brown SAND, little Gravel, trace Silt.	ND	Wet	ND	ND	
20		EOB @ 20' below grade.	ND		ND	ND	

Notes:
Groundwater encountered at 15.5 feet below grade. Groundwater Sample TW-9 collected.

PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

AKRF Project Number: 11454

Boring No. **SB- 10**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra
Sampler: D. Kapson

Drilling
Start **Time** 10:40
Finish **Time** 11:20
Date 12/29/2011
Weather: 35 °F, Partly Cloudy

Depth (feet)	Recovery (Inches)	Surface Condition: Broken Asphalt - 4"	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	28	Top 20": Grey-black SAND, some fine Gravel, trace Concrete, Ash (FILL).	ND	Dry	ND	ND	
2			ND	Dry	ND	ND	
3							
4		Bottom 8": BRICK, trace SAND (FILL).	ND	Dry	ND	ND	
5							
6	35	Top 10": BRICK, trace SAND (FILL).	ND	Dry	ND	ND	
7							
8		Bottom 25": Brown SAND, little Silt, fine Gravel, trace Brick, Ash (FILL).	ND	Dry	ND	ND	
9							
10			ND	Dry	ND	ND	
11	20						
12		Brown SAND, little Silt, fine Gravel, trace Brick (FILL).	ND	Dry	ND	ND	SB-10 (11-12)
13		EOB @ 12' below grade due to refusal.					
14							
15							
16							
17							
18							
19							
20							

Notes:
Groundwater not encountered.

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

AKRF Project Number: 11454

Boring No. **SB- 11**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra
Sampler: D. Kapson

Drilling
Start **Time** 11:30
Finish **Time** 11:45
Date 12/29/2011
Weather: 35 °F, Partly Cloudy

Depth (feet)	Recovery (Inches)	Surface Condition: Broken Asphalt - 4"	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	31	Top 20": Grey-black SAND, some fine Gravel, trace Concrete, Ash (FILL).	ND	Dry	ND	ND	
2			ND	Dry	ND	ND	
3							
4		Bottom 11": BRICK, trace SAND (FILL).	ND	Dry	ND	ND	
5							
6	29	Top 7": BRICK, trace SAND (FILL).	ND	Dry	ND	ND	
7							
8		Bottom 22": Brown SAND, little Silt, fine Gravel, trace Brick, Ash (FILL).	ND	Dry	ND	ND	
9							
10			ND	Dry	ND	ND	
11	43						
12		Top 22": Brown SAND, little Silt, fine Gravel, trace Brick (FILL).	ND	Dry	ND 3.4	ND	
13			ND	Moist	33.5	ND	
14		Bottom 19": Grey-black SAND, little fine Gravel. (staining apparent)	Petroleum	Moist	74.7	ND	SB-11 (14-15)
15		(Drilled through a Boulder)	Petroleum	Moist	21.3	ND	
16	39		Faint Petroleum	Wet	5.5	ND	
17			Odor	Wet	ND	ND	
18		Grey fine SAND, some Silt, trace fine Gravel.	ND	Wet	ND	ND	
19							
20		EOB @ 20' below grade.	ND	Wet	ND	ND	

Notes:
Groundwater encountered at 15 feet below grade.

PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

AKRF Project Number: 11454

Boring No. **SB- 11A**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra
Sampler: D. Kapson

Drilling
Start **Time** 12:25
Finish **Time** 12:50
Date 12/29/2011
Weather: 35 °F, Partly Cloudy

Depth (feet)	Recovery (Inches)	Surface Condition: Broken Asphalt - 4"	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	31	Top 23": Grey-black SAND, some fine Gravel, trace concrete, Ash (FILL).	ND	Dry	ND	ND	
2			ND	Dry	ND	ND	
3		Bottom 8": BRICK, trace SAND (FILL).	ND	Dry	ND	ND	
4							
5							
6	32	Top 10": BRICK, trace SAND (FILL).	ND	Dry	ND	ND	
7							
8		Bottom 22": Brown SAND, little Silt, Gravel, trace Brick, Ash (FILL).	ND	Dry	ND	ND	
9							
10			ND	Dry	ND	ND	
11	30	Top 14": Brown SAND, little Silt, fine Gravel, trace Brick (FILL).	ND	Dry	ND	ND	
12							
13			ND	Moist	10.3	ND	
14		Bottom 16": Grey SAND, some Silt, little fine Gravel.	Petroleum	Moist	19.5	ND	SB-11A (14-15)
15			Petroleum	Moist	22.4	ND	
16		EOB @ 15' below grade due to refusal					
17							
18							
19							
20							

Notes:
Groundwater encountered at 15 feet below grade.

PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

AKRF Project Number: 11454

Boring No. **SB- 12**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra
Sampler: D. Kapson

Drilling
Start **Time** 11:45
Finish **Time** 12:00
Date 12/29/2011
Weather: 35 °F, Partly Cloudy

Depth (feet)	Recovery (Inches)	Surface Condition: Broken Asphalt - 4"	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	27	Top 19": Grey-black SAND, some fine Gravel, trace Concrete, Ash (FILL).	ND	Dry	ND	ND	
2			ND	Dry	ND	ND	
3		Bottom 8": BRICK, trace SAND (FILL).	ND	Dry	ND	ND	
4							
5							
6	32	Top 10": BRICK, trace SAND (FILL).	ND	Dry	ND	ND	
7							
8		Bottom 22": Brown SAND, little Silt, fine Gravel, trace Brick, Ash (FILL).	ND	Dry	ND	ND	
9							
10			ND	Dry	ND	ND	
11	18	Brown SAND, little Silt, fine Gravel, trace Brick (FILL).	ND	Dry	ND	ND	SB-12 (11-12)
12							
13		EOB @ 12' below grade due to refusal.					
14							
15							
16							
17							
18							
19							
20							

Notes:
Groundwater not encountered.

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

AKRF Project Number: 11454

Boring No. **SB- 13**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe
Sampling Method: 5' Macrocore
Driller : Zebra
Sampler: D. Kapson

Drilling
Start **Time** 12:00
Finish **Time** 12:20
Date 12/29/2011
Weather: 35 °F, Partly Cloudy

Depth (feet)	Recovery (Inches)	Surface Condition: Broken Asphalt - 4"	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	28	Top 20": Grey-black SAND, some fine Gravel, trace Concrete, Ash (FILL).	ND	Dry	ND	ND	
2			ND	Dry	ND	ND	
3		Bottom 8": BRICK, trace SAND (FILL).	ND	Dry	ND	ND	
4							
5							
6	32	Top 10": BRICK, trace SAND (FILL).	ND	Dry	ND	ND	
7							
8		Bottom 22": Brown SAND, little Silt, fine Gravel, trace Brick, Ash (FILL).	ND	Dry	ND	ND	
9							
10			ND	Moist	ND	ND	
11	35						
12		Top 12": Brown SAND, little Silt, fine Gravel, trace Brick (FILL).	ND	Dry	ND	ND	
13		Middle 7": Brown fine SAND, some Silt, trace fine Gravel.	ND	Moist	ND	ND	
14		Bottom 16": Grey-black SAND, some fine Gravel.	Petroleum	Moist	4.5	ND	SB-13 (14-15)
15			Petroleum	Moist	5.2	ND	
16		EOB @ 15' below grade.					
17							
18							
19							
20							

Notes:
Groundwater encountered at 15 feet below grade.

PID = photoionization detector ppm = parts per million ND = Not Detected

APPENDIX D

GROUNDWATER SAMPLING DATA SHEETS

Well Sampling Log

Job No:	**11454-0002**		**Client:**	**Extell**	**Well No:**
Project Location:	**547 - 551 Tenth Avenue, New York, NY**		**Sampled By:**	**DK**	**TW- 1**
Date:	**12/28/2011**		**Sampling Time:**	**10:25**	
LEL at surface:	**NA**				
PID at surface:	**ND**				
Total Depth:	20.03 ft. below top of casing		**Water Column:**	5.81 feet	*= 0.041 * WC for 1" wells
Depth to Water:	14.22 ft. below top of casing		**Well Volume*:**	0.24 gallons	*= 0.163 * WC for 2" wells
Depth to Product:	ND ft. below top of casing		**Volume Purged:**	0.75 gallons	*= 0.653 * WC for 4" wells
Depth to top of screen:	10.03 ft. below top of casing		**Well Diam.:**	1 inch	
Depth to bottom of screen:	20.03 ft. below top of casing		**Purging Device (pump type):**		
Approx. Pump Intake:	15.00 ft. below top of casing		Peristaltic Pump		

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity* (NTU)	Comments (problems, odor, sheen)
10:00	14.26	200	11.49	2.55	10.99	6.86	104	>999	Three well volumes purged from temporary well TW-1 before collecting the sample. Groundwater sample collected was turbid.
10:05	14.27	200	11.50	2.75	11.35	6.84	106	609.0	
10:10	14.28	200	11.46	2.71	11.26	6.85	108	321.0	
10:15	14.28	200	11.46	2.68	11.41	6.84	110	281.0	
10:20	14.29	200	11.45	2.66	11.40	6.83	103	274.0	

Groundwater samples analyzed for VOCs (EPA Method 8260) and SVOCs (EPA Method 8270), Pesticides (EPA Method 8081), PCBs (EPA Method 8082) and TAL Metals (total and dissolved: Lab filtered).

Well Sampling Log

Job No:	**11454-0002**	**Client:**	**Extell**	**Well No:**	
Project Location:	**547 - 551 Tenth Avenue, New York, NY**	**Sampled By:**	**DK**		
Date:	**12/28/2011**	**Sampling Time:**	**11:07**		**TW-2**
LEL at surface:	**NA**				
PID at surface:	**ND**				
Total Depth:	19.89 ft. below top of casing	**Water Column:**	5.54 feet	*= 0.041 * WC for 1" wells	
Depth to Water:	14.35 ft. below top of casing	**Well Volume*:**	0.23 gallons	*= 0.163 * WC for 2" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	0.75 gallons	*= 0.653 * WC for 4" wells	
Depth to top of screen:	9.89 ft. below top of casing	**Well Diam.:**	1 inch		
Depth to bottom of screen:	19.89 ft. below top of casing	**Purging Device (pump type):**			
Approx. Pump Intake:	15.00 ft. below top of casing	Peristaltic Pump			

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity* (NTU)	Comments (problems, odor, sheen)
10:45	14.48	200	11.06	3.36	9.12	7.25	20	648.0	Three well volumes purged from temporary well TW-2 before collecting the sample. Groundwater sample collected was turbid.
10:50	14.55	200	10.48	3.34	8.89	7.21	-5	412.0	
10:55	14.60	200	10.50	3.30	8.87	7.23	-11	268.0	
11:00	14.65	200	10.46	3.31	8.86	7.20	-11	276.0	
11:05	14.81	200	10.45	3.28	8.85	7.18	-16	244.0	

Groundwater samples analyzed for VOCs (EPA Method 8260) and SVOCs (EPA Method 8270), Pesticides (EPA Method 8081), PCBs (EPA Method 8082) and TAL Metals (total and dissolved: Lab filtered).

Well Sampling Log

Job No:	**11454-0002**	**Client:**	**Extell**	**Well No:**	
Project Location:	**547 - 551 Tenth Avenue, New York, NY**	**Sampled By:**	**DK**		
Date:	**12/28/2011**	**Sampling Time:**	**14:55**		**TW-4**
LEL at surface:	**NA**				
PID at surface:	**ND**				
Total Depth:	20.04 ft. below top of casing	**Water Column:**	4.82 feet	*= 0.041 * WC for 1" wells	
Depth to Water:	15.22 ft. below top of casing	**Well Volume*:**	0.20 gallons	*= 0.163 * WC for 2" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	0.75 gallons	*= 0.653 * WC for 4" wells	
Depth to top of screen:	10.04 ft. below top of casing	**Well Diam.:**	1 inch		
Depth to bottom of screen:	20.04 ft. below top of casing	**Purging Device (pump type):**			
Approx. Pump Intake:	17.25 ft. below top of casing	Peristaltic Pump			

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity* (NTU)	Comments (problems, odor, sheen)
12:25	15.28	200	11.23	3.23	9.14	7.26	-29	606.0	
12:45	17.95	200	10.22	3.10	9.10	7.24	-24	440.0	
12:55	18.98	200	10.25	2.85	7.55	7.28	-20	250.0	Three well volumes purged from temporary well TW-4 before collecting the sample. Groundwater sample collected was turbid. Slow recharge.
13:25	17.56	200	10.21	2.41	6.47	7.21	-14	198.0	
13:40	18.54	200	10.14	2.36	6.35	7.20	-16	188.0	
14:10	18.56	200	10.13	2.28	6.22	7.19	-13	176.0	
14:45	18.91	200	10.11	2.29	6.23	7.21	-15	181.0	

Groundwater samples analyzed for VOCs (EPA Method 8260) and SVOCs (EPA Method 8270), Pesticides (EPA Method 8081), PCBs (EPA Method 8082) and TAL Metals (total and dissolved: Lab filtered).

Well Sampling Log

Job No:	**11454-0002**	**Client:**	**Extell**	**Well No:**	
Project Location:	**547 - 551 Tenth Avenue, New York, NY**	**Sampled By:**	**DK**		
Date:	**12/29/2011**	**Sampling Time:**	**9:39**		**TW-7**
LEL at surface:	**NA**				
PID at surface:	**ND**				
Total Depth:	19.99 ft. below top of casing	**Water Column:**	7.18 feet	*= 0.041 * WC for 1" wells	
Depth to Water:	12.81 ft. below top of casing	**Well Volume*:**	0.29 gallons	*= 0.163 * WC for 2" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	0.75 gallons	*= 0.653 * WC for 4" wells	
Depth to top of screen:	9.99 ft. below top of casing	**Well Diam.:**	1 inch		
Depth to bottom of screen:	19.99 ft. below top of casing	**Purging Device (pump type):**			
Approx. Pump Intake:	15.00 ft. below top of casing	Peristaltic Pump			

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity* (NTU)	Comments (problems, odor, sheen)
9:10	12.81	200	14.96	2.72	5.24	6.03	-7	177.0	
9:15	12.90	200	14.85	2.71	5.14	6.21	-11	149.0	
9:25	12.94	200	14.81	2.66	5.11	6.45	-12	145.0	Three well volumes purged from temporary well TW-7 before collecting the sample. Groundwater sample collected was turbid. Slight Petroleum Odor.
9:35	12.96	200	14.80	2.60	4.89	6.44	-15	138.0	
9:45	13.10	200	14.79	2.58	4.90	6.43	-16	130.0	

Groundwater samples analyzed for VOCs (EPA Method 8260) and SVOCs (EPA Method 8270), Pesticides (EPA Method 8081), PCBs (EPA Method 8082) and TAL Metals (total and dissolved: Lab filtered).

Well Sampling Log

Job No:	**11454-0002**	**Client:**	**Extell**	**Well No:**	
Project Location:	**547 - 551 Tenth Avenue, New York, NY**	**Sampled By:**	**DK**		
Date:	**12/29/2011**	**Sampling Time:**	**11:39**		**TW-8**
LEL at surface:	**NA**				
PID at surface:	**ND**				
Total Depth:	20.02 ft. below top of casing	**Water Column:**	7.14 feet	*= 0.041 * WC for 1" wells	
Depth to Water:	12.88 ft. below top of casing	**Well Volume*:**	0.29 gallons	*= 0.163 * WC for 2" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	1 gallons	*= 0.653 * WC for 4" wells	
Depth to top of screen:	10.02 ft. below top of casing	**Well Diam.:**	1 inch		
Depth to bottom of screen:	20.02 ft. below top of casing	**Purging Device (pump type):**			
Approx. Pump Intake:	15.00 ft. below top of casing	Peristaltic Pump			

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity* (NTU)	Comments (problems, odor, sheen)
11:05	12.91	200	14.45	2.55	6.65	7.04	-15	>999	Three well volumes purged from temporary well TW-8 before collecting the sample. Groundwater sample collected was turbid. Petroleum odor detected.
11:10	12.99	200	14.43	2.78	6.46	7.11	-21	456.0	
11:15	13.26	200	14.28	2.74	6.35	7.08	-24	285.0	
11:20	13.48	200	14.20	2.72	6.29	7.06	-22	273.0	
11:25	13.88	200	14.16	2.69	6.26	7.07	-20	260.0	
11:30	14.15	200	14.18	2.70	6.27	7.09	-19	248.0	

Groundwater samples analyzed for VOCs (EPA Method 8260) and SVOCs (EPA Method 8270), Pesticides (EPA Method 8081), PCBs (EPA Method 8082) and TAL Metals (total and dissolved: Lab filtered).

Well Sampling Log

Job No:	**11454-0002**	**Client:**	**Extell**	**Well No:**	
Project Location:	**547 - 551 Tenth Avenue, New York, NY**	**Sampled By:**	**DK**		
Date:	**12/29/2011**	**Sampling Time:**	**8:58**		**TW-9**
LEL at surface:	**NA**				
PID at surface:	**ND**				
Total Depth:	21.50 ft. below top of casing	**Water Column:**	8.25 feet	*= 0.041 * WC for 1" wells	
Depth to Water:	13.25 ft. below top of casing	**Well Volume*:**	0.33 gallons	*= 0.163 * WC for 2" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	1.25 gallons	*= 0.653 * WC for 4" wells	
Depth to top of screen:	11.50 ft. below top of casing	**Well Diam.:**	1 inch		
Depth to bottom of screen:	21.50 ft. below top of casing	**Purging Device (pump type):**			
Approx. Pump Intake:	16.50 ft. below top of casing	Peristaltic Pump			

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity* (NTU)	Comments (problems, odor, sheen)
8:30	13.26	200	13.18	1.48	4.33	6.88	-78	224.0	Three well volumes purged from temporary well TW-9 before collecting the sample. Groundwater sample exhibits petroleum sheen and odor.
8:35	13.38	200	13.22	1.45	4.40	6.90	-74	178.0	
8:40	13.41	200	13.17	1.47	4.32	6.91	-70	125.0	
8:45	13.45	200	13.15	1.44	4.28	6.94	-66	115.0	
8:50	13.57	200	13.14	1.46	4.26	6.95	-64	107.0	
8:55	13.61	200	13.14	1.47	4.25	6.94	-62	108.0	

Groundwater samples analyzed for VOCs (EPA Method 8260) and SVOCs (EPA Method 8270), Pesticides (EPA Method 8081), PCBs (EPA Method 8082) and TAL Metals (total and dissolved: Lab filtered).

Well Sampling Log

Job No:	**11454-0002**	**Client:**	**Extell**	**Well No:**	
Project Location:	**547 - 551 Tenth Avenue, New York, NY**	**Sampled By:**	**DK**		
Date:	**12/30/2011**	**Sampling Time:**	**12:15**		**MW-1**
LEL at surface:	**NA**				
PID at surface:	**ND**				
Total Depth:	25.16 ft. below top of casing	**Water Column:**	12.47 feet	*= 0.041 * WC for 1" wells	
Depth to Water:	12.69 ft. below top of casing	**Well Volume*:**	2.03 gallons	*= 0.163 * WC for 2" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	6.25 gallons	*= 0.653 * WC for 4" wells	
Depth to top of screen:	10.00 ft. below top of casing	**Well Diam.:**	2 inch		
Depth to bottom of screen:	25.16 ft. below top of casing	**Purging Device (pump type):**			
Approx. Pump Intake:	17.50 ft. below top of casing	Peristaltic Pump			

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity* (NTU)	Comments (problems, odor, sheen)
11:45	12.73	300	12.35	4.24	6.26	6.15	77	41.2	Three well volumes purged from monitor well MW-1 before collecting the sample. Groundwater sample collected exhibited petroleum odor.
11:50	12.78	300	12.24	4.21	6.28	6.18	79	35.4	
11:55	12.81	300	12.19	4.20	6.18	6.22	80	33.2	
12:00	12.85	300	12.18	4.19	6.11	6.23	74	30.1	
12:05	12.94	300	12.17	4.18	6.09	6.24	75	28.9	
12:10	13.08	300	12.18	4.16	6.07	6.21	72	28.7	

Groundwater samples analyzed for VOCs (EPA Method 8260) and SVOCs (EPA Method 8270), Pesticides (EPA Method 8081), PCBs (EPA Method 8082) and TAL Metals (total and dissolved: Lab filtered).

Well Sampling Log

Job No:	**11454-0002**	**Client:**	**Extell**	**Well No:**	
Project Location:	**547 - 551 Tenth Avenue, New York, NY**	**Sampled By:**	**DK**		
Date:	**12/30/2011**	**Sampling Time:**	**13:14**		**MW-2**
LEL at surface:	**NA**				
PID at surface:	**ND**				
Total Depth:	24.86 ft. below top of casing	**Water Column:**	12.1 feet	*= 0.041 * WC for 1" wells	
Depth to Water:	12.76 ft. below top of casing	**Well Volume*:**	1.97 gallons	*= 0.163 * WC for 2" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	6 gallons	*= 0.653 * WC for 4" wells	
Depth to top of screen:	10.00 ft. below top of casing	**Well Diam.:**	2 inch		
Depth to bottom of screen:	24.86 ft. below top of casing	**Purging Device (pump type):**			
Approx. Pump Intake:	17.00 ft. below top of casing	Peristaltic Pump			

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity* (NTU)	Comments (problems, odor, sheen)
12:40	12.77	300	17.45	3.56	2.66	6.49	-47	615.0	
12:45	12.79	300	16.64	3.45	2.70	6.56	-44	420.0	
12:50	12.84	300	16.48	3.48	2.49	6.55	-39	135.0	Three well volumes purged from monitor well MW-2 before collecting the sample. Groundwater sample collected exhibited petroleum odor.
12:55	12.91	300	16.42	3.25	2.55	6.57	-40	124.0	
13:00	13.02	300	16.41	3.27	2.50	6.58	-42	118.0	
13:05	13.11	300	16.35	3.22	2.43	6.56	-40	114.0	
13:10	13.17	300	16.37	3.16	2.44	6.57	-43	112.0	

Groundwater samples analyzed for VOCs (EPA Method 8260) and SVOCs (EPA Method 8270), Pesticides (EPA Method 8081), PCBs (EPA Method 8082) and TAL Metals (total and dissolved: Lab filtered).

Well Sampling Log

Job No:	**11454-0002**	**Client:**	**Extell**	**Well No:**	
Project Location:	**547 - 551 Tenth Avenue, New York, NY**	**Sampled By:**	**DK**		
Date:	**12/30/2011**	**Sampling Time:**	**13:56**		**MW-3**
LEL at surface:	**NA**				
PID at surface:	**ND**				
Total Depth:	25.01 ft. below top of casing	**Water Column:**	12.13 feet	*= 0.041 * WC for 1" wells	
Depth to Water:	12.88 ft. below top of casing	**Well Volume*:**	1.98 gallons	*= 0.163 * WC for 2" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	6 gallons	*= 0.653 * WC for 4" wells	
Depth to top of screen:	10.00 ft. below top of casing	**Well Diam.:**	2 inch		
Depth to bottom of screen:	25.01 ft. below top of casing	**Purging Device (pump type):**			
Approx. Pump Intake:	17.50 ft. below top of casing	Peristaltic Pump			

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity* (NTU)	Comments (problems, odor, sheen)
13:25	12.90	300	16.77	2.81	5.60	6.56	-55	182.0	
13:30	12.95	300	14.89	2.80	5.54	6.68	-60	170.0	
13:35	12.99	300	14.85	2.79	5.10	6.70	-61	105.0	Three well volumes purged from monitor well MW-3 before collecting the sample. Groundwater sample collected exhibited petroleum odor.
13:40	13.10	300	14.81	2.77	5.06	6.71	-58	76.5	
13:45	13.18	300	14.80	2.75	5.13	6.72	-64	69.8	
13:50	13.27	300	14.79	2.71	5.04	6.75	-66	68.7	
13:55	13.40	300	14.78	2.68	5.07	6.80	-70	67.4	

Groundwater samples analyzed for VOCs (EPA Method 8260) and SVOCs (EPA Method 8270), Pesticides (EPA Method 8081), PCBs (EPA Method 8082) and TAL Metals (total and dissolved: Lab filtered).

Well Sampling Log

Job No:	**11454-0002**		**Client:**	**Extell**	**Well No:** **MW-4**
Project Location:	**547 - 551 Tenth Avenue, New York, NY**		**Sampled By:**	**DK**	
Date:	**12/30/2011**		**Sampling Time:**	**14:40**	
LEL at surface:	**NA**				
PID at surface:	**ND**				
Total Depth:	25.06 ft. below top of casing		**Water Column:**	11.81 feet	*= 0.041 * WC for 1" wells
Depth to Water:	13.25 ft. below top of casing		**Well Volume*:**	1.93 gallons	*= 0.163 * WC for 2" wells
Depth to Product:	ND ft. below top of casing		**Volume Purged:**	6 gallons	*= 0.653 * WC for 4" wells
Depth to top of screen:	10.00 ft. below top of casing		**Well Diam.:**	2 inch	
Depth to bottom of screen:	25.06 ft. below top of casing		**Purging Device (pump type):**		
Approx. Pump Intake:	17.00 ft. below top of casing		Peristaltic Pump		

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity* (NTU)	Comments (problems, odor, sheen)
14:00	13.28	300	16.35	2.64	6.56	6.64	-55	45.2	Three well volumes purged from monitor well MW-4 before collecting the sample. Groundwater sample collected exhibited petroleum odor.
14:05	13.34	300	16.45	2.60	6.50	6.60	-57	29.8	
14:10	13.40	300	16.38	2.48	6.48	6.61	-60	24.6	
14:15	13.45	300	16.37	2.44	6.47	6.65	-61	22.5	
14:20	13.55	300	16.35	2.38	6.44	6.67	-54	20.5	
14:25	13.60	300	16.34	2.37	6.43	6.70	-55	15.7	
14:30	13.67	300	16.33	2.34	6.40	6.71	-59	16.2	
14:35	13.80	300	16.30	2.30	6.39	6.72	-62	13.8	

Groundwater samples analyzed for VOCs (EPA Method 8260) and SVOCs (EPA Method 8270), Pesticides (EPA Method 8081), PCBs (EPA Method 8082) and TAL Metals (total and dissolved: Lab filtered).

APPENDIX E

WELL GAUGING DATA

Well Gauging Results

547 Tenth Avenue

8/16/2011	Overcast, 70 °F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	10.5	ND	29	0
MW-2	11.4	ND	27	0
MW-3	11.2	ND	0.3	0
MW-4	11.3	10.9	1.3	0.4
Vacuum Extraction performed on 8/16/11. 362 gallons of petroleum-contaminated water removed from MW-4.				
8/30/2011	Sunny, 80 °F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	10.5	ND	15.6	0
MW-2	11.4	ND	5.5	0
MW-3	10.9	ND	0	0
MW-4	11.7	11.2	103	0.5
9/12/2011	Sunny, 70 °F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	10.8	ND	4.3	0
MW-2	11.4	ND	0	0
MW-3	11.2	ND	0	0
MW-4	12	11.4	91	0.6
Vacuum Extraction performed on 9/12/11. 2,370 gallons of petroleum-contaminated water removed from MW-4.				
10/11/2011				
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	12.1	ND	11.9	0
MW-2	12.5	ND	0.3	0
MW-3	12.6	ND	12	0
MW-4	12.3	12.6	8.1	0.3
10/28/2011	Sunny, 40 °F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	12.45	ND	0	0
MW-2	12.9	ND	0	0
MW-3	12.8	ND	0	0
MW-4	13.1	12.7	0	0.4
Vacuum Extraction performed on 10/28/11. 942 gallons of petroleum-contaminated water removed from MW-4.				

Well Gauging Results

547 Tenth Avenue

11/18/2011	Sunny, 46 °F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	12.59	ND	0	0
MW-2	13.1	ND	0	0
MW-3	12.98	ND	0	0
MW-4	13.16	13.14	0	0.02
FD-303W	15.36	ND	0	0
W1	13.1	ND	0	0
W1-40	13.32	ND	0	0
W2	16.1	ND	0	0
12/2/2011	Sunny, 45 °F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	12.72	ND	0	0
MW-2	13.11	ND	0	0
MW-3	13.18	ND	0	0
MW-4	13.42	13.35	0	0.07
FD-303W	15.50	ND	0	0
W1	13.26	ND	0	0
W1-40	13.11	ND	0	0
W2	16.02	ND	0	0
12/6/2011	Overcast, 58 °F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-4	13.42	13.36	0	0.06
An absorbent sock was lowered in the well to absorb and remove the free product. Another absorbant sock was lowered and left in place. Will check and remove the sock on the next gauging event.				
12/14/2011	Sunny, 48 °F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	12.9	ND	0	0
MW-2	13.14	ND	0	0
MW-3	13.27	ND	0	0
MW-4	13.4	ND	1.5	0
FD-303W	15.53	ND	0	0
W1	13.28	ND	0	0
W1-40	13.17	ND	0	0
W2	16.25	ND	0	0
Absorbent sock was removed from monitor well MW-4 - approximately 4 inches of oil soaked into the bottom of the sock. A new sock was placed into monitor well MW-4.				

Well Gauging Results
547 Tenth Avenue

12/22/2011	Sunny, 43 °F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	13.14	ND	0	0
MW-2	13.34	ND	0	0
MW-3	13.42	ND	0	0
MW-4	13.61	ND	0	0
FD-303W	15.64	ND	0	0
W1	13.31	ND	0	0
W1-40	13.32	ND	0	0
W2	16.28	ND	0	0
Absorbent sock was removed from monitor well MW-4 - approximately 3.5 inches of a light, oily sheen observed. A new sock was placed into monitor well MW-4.				
12/30/2011	Sunny, 39 °F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	12.69	ND	0	0
MW-2	12.76	ND	0	0
MW-3	12.88	ND	0	0
MW-4	13.25	ND	0	0
FD-303W	15.71	ND	0	0
W1	13.55	ND	0	0
W1-40	13.45	ND	0	0
W2	16.75	ND	0	0
Absorbent sock was removed from monitor well MW-4 - approximately 3 inches of oily sheen observed. A new sock was placed into monitor well MW-4.				
1/20/2012	Sunny, 30 °F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	12.88	ND	0	0
MW-2	13.16	ND	0	0
MW-3	13.34	ND	0	0
MW-4	13.6	ND	0	0
FD-303W	15.83	ND	0	0
W1	13.61	ND	0	0
W1-40	13.54	ND	0	0
W2	16.9	ND	0	0
Absorbent sock was removed from monitor well MW-4 - approximately 6 inches of oily sheen observed. A new sock was placed into monitor well MW-4.				

Well Gauging Results

547 Tenth Avenue

2/6/2012	Sunny, 51°F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	12.96	ND	0	0
MW-2	13.18	ND	0	0
MW-3	13.34	ND	0	0
MW-4	13.55	ND	0	0
FD-303W	15.51	ND	0	0
W1	13.42	ND	0	0
W1-40	13.45	ND	0	0
W2	16.27	ND	0	0
Absorbent sock was removed from monitor well MW-4 - approximately 6 inches of oily sheen observed. A new sock was placed into monitor well MW-4.				
2/21/2012	Sunny, 45°F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	13.45	ND	0	0
MW-2	13.61	ND	0	0
MW-3	13.76	ND	0	0
MW-4	13.96	ND	0	0
FD-303W	15.79	ND	0	0
W1	13.87	ND	0	0
W1-40	16.5	ND	0	0
W2	13.83	ND	0	0
Absorbent sock was removed from monitor well MW-4 - approximately 4.5 inches of oily sheen observed. A new sock was placed into monitor well MW-4.				
3/19/2012	Sunny, 70°F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	13.88	ND	0	0
MW-2	13.95	ND	0	0
MW-3	14.11	ND	0	0
MW-4	14.3	14.25	1.8	0.05
FD-303W	15.65	ND	0	0
W1	14.01	ND	0	0
W1-40	16.17	ND	0	0
W2	13.96	ND	0	0
Absorbent sock was removed from monitor well MW-4 - approximately 5.0 inches of oily sheen observed. A new sock was placed into monitor well MW-4.				

Well Gauging Results

547 Tenth Avenue

4/16/2012	Sunny, 83°F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	14.09	ND	0	0
MW-2	14.18	ND	0	0
MW-3	14.32	ND	0	0
MW-4	14.55	ND	0	0
FD-303W	16.5	ND	0	0
W1	14.25	ND	0	0
W1-40	14.15	ND	0	0
W2	16.15	ND	0	0
Absorbent sock was removed from monitor well MW-4 - approximately 7.0 inches of oily sheen observed. A new sock was placed into monitor well MW-4.				
5/16/2012	Overcast and humid, 75°F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	13.6	ND	0	0
MW-2	13.6	ND	0	0
MW-3	13.8	ND	0	0
MW-4	13.8	ND	0	0
FD-303W	15.35	ND	0	0
W1	13.7	ND	0	0
W1-40	13.6	ND	0	0
W2	15.55	ND	0	0
Rainwater runoff was observed within manholes of monitor wells MW-1, MW-2, and MW-4. J-plugs were sealed. Absorbent sock was removed from monitor well MW-4 - approximately 5.0 inches of oily sheen observed. A new sock was placed into monitor well MW-4.				
6/15/2012	Sunny and warm, 76°F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	12.7	ND	0	0
MW-2	13	ND	0	0
MW-3	12.95	ND	0	0
MW-4	13.1	ND	0	0
FD-303W	14.8	ND	0	0
W1	13.2	ND	0	0
W1-40	12.9	ND	0	0
W2	15.2	ND	0	0
Rainwater was observed within manholes of monitor wells MW-1, MW-2, and MW-4 . J-plugs were observed to be sealed. Absorbent sock was removed from monitor well MW-4 - approximately 3 inches of oily sheen observed. A new sock was placed into monitor well MW-4.				

Well Gauging Results
547 Tenth Avenue

7/17/2012	Sunny and hot, 88°F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	13.05	ND	0	0
MW-2	13.45	ND	0	0
MW-3	13.55	ND	0	0
MW-4	13.35	ND	0	0
FD-303W	15	ND	0	0
W1	13.45	ND	0	0
W1-40	13.55	ND	0	0
W2	15.2	ND	0	0

Rainwater was observed within manholes of monitor wells MW-1, MW-2, and MW-4 . J-plugs were observed to be sealed. Absorbent sock was removed from monitor well MW-4 - approximately 3 inches of oily sheen observed. A new sock was placed into monitor well MW-4.

8/16/2012	Sunny and warm, 80°F			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	12.3	ND	0	0
MW-2	12.9	ND	0	0
MW-3	12.7	ND	0	0
MW-4	12.85	ND	0	0
FD-303W	14.7	ND	0	0
W1	13.05	ND	0	0
W1-40	12.9	ND	0	0
W2	15	ND	0	0

Rainwater was observed within manholes of monitor wells MW-1, MW-2, MW-3, and MW-4 . The water in the manhole of MW-2 exhibited an oily sheen. The water in MW-3 was above the J-plug and was bailed out. J-plugs were observed to be sealed. The existing absorbent sock was removed from monitor well MW-4 - approximately 6 inches of oily sheen was observed. A new sock was placed into monitor well MW-4.

9/20/2012	Overcast, windy and warm - 67			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	12.65	ND	0	0
MW-2	12.75	ND	0	0
MW-3	12.55	ND	0	0
MW-4	13.1	ND	0	0
FD-303W	15.3	ND	0	0
W1	13.05	ND	0	0
W1-40	12.85	ND	0	0
W2	15.1	ND	0	0

Rainwater was observed within manholes of monitor wells MW-1, MW-3, and MW-4 (Heavy rain on 9/18/2012). J-plugs were observed to be sealed. The existing absorbent sock was removed from monitor well MW-4 - approximately 3 inches of oily sheen was observed. A new sock was placed into monitor well MW-4.

Well Gauging Results
547 Tenth Avenue

10/17/2012	Sunny and warm - 65			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	12.8	ND	0	0
MW-2	13.25	ND	0	0
MW-3	13.35	ND	0	0
MW-4	13.45	ND	0	0
FD-303W	15.1	ND	0	0
W1	13.45	ND	0	0
W1-40	13.35	ND	0	0
W2	15.3	ND	0	0

Rainwater was observed within manholes of monitor wells of MW-1 and MW-4. Both J-plugs were observed to be sealed. The existing absorbent sock was removed from monitor well MW-4 and found to have not been in touch with the water table. The sock was adjusted and placed into the water column.

11/15/2012	Sunny and cool - 45			
Well Number	Depth to Water	Depth to Product	PID Reading	Product Thickness
MW-1	13	ND	0	0
MW-2	13.27	ND	0	0
MW-3	13.37	ND	0	0
MW-4	13.42	ND	0	0
FD-303W	15.1	ND	0	0
W1	13.42	ND	0	0
W1-40	13.26	ND	0	0
W2	15.6	ND	0	0

Rainwater runoff was observed within manholes of monitor wells MW-1 and MW-4. J-plugs were sealed. Absorbent sock was removed from monitor well MW-4 - approximately 3.0 inches of oily sheen observed. A new sock was placed into monitor well MW-4.

APPENDIX F
SOIL GAS SAMPLING LOGS

AKRF, Inc.
Environmental Consultants

Soil Gas Sampling Log

Job No:	11454	**Client:**	Extell
Project Location:	547 10th Avenue, New York, NY	**Sampled By:**	DK
Date:	12/30/11		

Sample ID: SG-1 **Flow ID:** 0199

Can ID: 1712

Purging

Time Started:	9:15
Time Stopped:	9:20
Vol. Purged:	0.5 Liters
Flow Rate:	0.1 L/min

Laboratory Sample (Summa Canister)

Time Started:	9:22	**Vacuum:**	-29.80 inHg
Time Stopped:	11:22	**Vacuum:**	-4.72 inHg

Field Sample

PID Calibration:	100.1 PPM
Time Started:	9:15
Time Stopped:	9:20
PID Reading:	ND ppm
He Reading:	6 (1%) ppm

AKRF, Inc.
Environmental Consultants

Soil Gas Sampling Log

Job No:	11454	**Client:**	Extell
Project Location:	547 10th Avenue, New York, NY	**Sampled By:**	DK
Date:	12/30/11		

Sample ID: SG-2 **Flow ID:** 0185

Can ID: 1698

Purging

Time Started:	9:20
Time Stopped:	9:25
Vol. Purged:	0.5 Liters
Flow Rate:	0.1 L/min

Laboratory Sample (Summa Canister)

Time Started:	9:50	**Vacuum:**	-21.10 inHg
Time Stopped:	11:50	**Vacuum:**	0.0 inHg

Field Sample

PID Calibration:	100.1 PPM
Time Started:	9:20
Time Stopped:	9:25
PID Reading:	ND ppm
He Reading:	ND (0%) ppm

AKRF, Inc.
Environmental Consultants

Soil Gas Sampling Log

Job No:	11454	**Client:**	Extell
Project Location:	547 10th Avenue, New York, NY	**Sampled By:**	DK
Date:	12/30/11		

Sample ID: SG-3 **Flow ID:** 0435

Can ID: 628

Purging

Time Started:	9:30
Time Stopped:	9:35
Vol. Purged:	0.5 Liters
Flow Rate:	0.1 L/min

Laboratory Sample (Summa Canister)

Time Started:	9:36	**Vacuum:**	-29.90 inHg
Time Stopped:	11:36	**Vacuum:**	-5.18 inHg

Field Sample

PID Calibration:	100.1 PPM
Time Started:	9:30
Time Stopped:	9:35
PID Reading:	ND ppm
He Reading:	10 (1.6%) ppm

AKRF, Inc.
Environmental Consultants

Soil Gas Sampling Log

Job No:	11454	**Client:**	Extell
Project Location:	547 10th Avenue, New York, NY	**Sampled By:**	DK
Date:	12/30/11		

Sample ID: SG-4 **Flow ID:** 0317

Can ID: 1667

Purging

Time Started:	9:35
Time Stopped:	9:40
Vol. Purged:	0.5 Liters
Flow Rate:	0.1 L/min

Laboratory Sample (Summa Canister)

Time Started:	9:41	**Vacuum:**	-29.92 inHg
Time Stopped:	11:41	**Vacuum:**	-5.16 inHg

Field Sample

PID Calibration:	100.1 PPM
Time Started:	9:35
Time Stopped:	9:40
PID Reading:	1.1 ppm
He Reading:	ND (0 %) ppm

AKRF, Inc.
Environmental Consultants

Soil Gas Sampling Log

Job No:	11454	**Client:**	Extell
Project Location:	547 10th Avenue, New York, NY	**Sampled By:**	DK
Date:	12/30/11		

Sample ID: SG-5 **Flow ID:** 0322

Can ID: 576

Purging

Time Started:	9:40
Time Stopped:	9:45
Vol. Purged:	0.5 Liters
Flow Rate:	0.1 L/min

Laboratory Sample (Summa Canister)

Time Started:	9:45	**Vacuum:**	-29.80 inHg
Time Stopped:	11:45	**Vacuum:**	-5.42 inHg

Field Sample

PID Calibration:	100.1 PPM
Time Started:	9:40
Time Stopped:	9:45
PID Reading:	ND ppm
He Reading:	ND (0 %) ppm

APPENDIX G

DISPOSAL DOCUMENTATION

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
[illegible]		[illegible]	14342

GENERATOR

5. Generator's Name and Mailing Address
10TH AND 41ST AVENUE
MANHATTAN NY
Generator's Phone:

Generator's Site Address (if different than mailing address)
[illegible]

6. Transporter 1 Company Name
ENVIRO WASTE OIL RECOVERY
U.S. EPA ID Number
NYD044629636

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ENVIRO WASTE OIL RECOVERY
279 RT 6 MAHOPAC, NY 10541
3462780263
Facility's Phone:
U.S. EPA ID Number
NYD044629636

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	PETROLEUM CONTAMINATED WATER, NON REGULATED, (NOT US D.O.T. HAZARDOUS MATERIAL), N/A, NONE, NONE	001	TT	210	G	
2.	USED OIL, NON REGULATED, (NOT US D.O.T. HAZARDOUS MATERIAL), N/A, NONE, NONE					
3.	PETROLEUM CONTAMINATED SLUDGE, NON REGULATED, (NOT US D.O.T. HAZARDOUS MATERIAL), N/A, NONE, NONE					
4.						

13. Special Handling Instructions and Additional Information
9A 9B 9C

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Dustin Kraus - As Agent for Environmental
Signature:
Month: 12 Day: 22 Year: 11

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Hunt
Signature:
Month: 12 Day: 22 Year: 11

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month Day Year

COPY

APPENDIX H

LABORATORY ANALYTICAL DATA

ANALYTICAL REPORT

Lab Number:	L1121055
Client:	AKRF, Inc. 440 Park Avenue South New York, NY 10016
ATTN:	Michelle Lapin
Phone:	(212) 696-0670
Project Name:	EXTELL
Project Number:	11454-0002
Report Date:	12/29/11

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

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

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121055
Report Date: 12/29/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1121055-01	PRODUCT A - TOP OF JAR BROWN	547 10TH AVE	12/14/11 13:25
L1121055-02	PRODUCT B - BOT. OF JAR GREEN	547 10TH AVE	12/14/11 13:25

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121055
Report Date: 12/29/11

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

For additional information, please contact Client Services at 800-624-9220.

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sample PRODUCT A - TOP OF JAR (L1121055-01) contains hydrocarbons eluting in the range of n-Octane (C8) to just after the elution of n-Tetracontane (C40). The chromatogram is indicating a mixture of two petroleum products.

Based on the data generated sample PRODUCT A - TOP OF JAR (L1121055-01) consists of material eluting in the early molecular weight range of the chromatogram. The material present is a discrete pattern of resolved peaks eluting between n- n-Octane (C8) and n-Hexadecane (C16). This pattern appears to be gasoline. The gasoline appears to be weathered based on the chromatography. In addition, material eluting from n-Hexadecane (C16) and after n-Tetracontane (C40) contains an unresolved complex mixture (UCM) eluting in the heavy molecular weight range of the chromatogram. The absence of resolved peaks in the heavy molecular

Project Name:	EXTELL	**Lab Number:**	L1121055
Project Number:	11454-0002	**Report Date:**	12/29/11

Case Narrative (continued)

weight range in which the unresolved complex mixture (UCM) elutes indicates that the sample is a refined petroleum product similar to lubricating oil/motor oil/waste oil type product.

Sample PRODUCT B - BOTTOM OF JAR (L1121055-02) was determined to be water based and contains peaks eluting in the early molecular weight range of the chromatogram. These peaks are eluting in the range between n-Octane (C8) and n-Heneicosane (C21). These peaks do not match any reference material and cannot by identified by this method. In addition, there is material eluting from n-Hexadecane (C16) and after n-Tetracontane (C40) which contains an unresolved complex mixture (UCM) eluting in the heavy molecular weight range of the chromatogram. The absence of resolved peaks in the heavy molecular weight range in which the unresolved complex mixture (UCM) elutes indicates that the sample is a refined petroleum product similar to lubricating oil/motor oil/waste oil type product. It is possible that this heavier weight material is a result of the overlying TOP product and some fraction is dissolved into the BOTTOM water-based material.

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

Authorized Signature: Elizabeth Porta

Title: Technical Director/Representative Date: 12/29/11

ORGANICS

PETROLEUM HYDROCARBONS

Project Name: EXTELL **Lab Number:** L1121055

Project Number: 11454-0002 **Report Date:** 12/29/11

SAMPLE RESULTS

Lab ID:	L1121055-01	Date Collected:	12/14/11 13:25
Client ID:	PRODUCT A - TOP OF JAR BROWN	Date Received:	12/15/11
Sample Location:	547 10TH AVE	Field Prep:	Not Specified
Matrix:	Oil	Extraction Method:	EPA 3580A
Analytical Method:	1,8015D(M)	Extraction Date:	12/20/11 04:02
Analytical Date:	12/21/11 01:37		
Analyst:	JT		
Percent Solids:	Results reported on an 'AS RECEIVED' basis.		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	734000		mg/kg	6020	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	82		50-130
d50-Tetracosane	90		50-130

Project Name: EXTELL **Lab Number:** L1121055

Project Number: 11454-0002 **Report Date:** 12/29/11

SAMPLE RESULTS

Lab ID:	L1121055-02	Date Collected:	12/14/11 13:25
Client ID:	PRODUCT B - BOT. OF JAR GREEN	Date Received:	12/15/11
Sample Location:	547 10TH AVE	Field Prep:	Not Specified
Matrix:	Oil	Extraction Method:	EPA 3580A
Analytical Method:	1,8015D(M)	Extraction Date:	12/20/11 04:02
Analytical Date:	12/21/11 03:06		
Analyst:	JT		
Percent Solids:	Results reported on an 'AS RECEIVED' basis.		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	269000		mg/kg	6300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	84		50-130
d50-Tetracosane	129		50-130

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121055
Report Date: 12/29/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 12/20/11 19:42
Analyst: JT

Extraction Method: EPA 3580A
Extraction Date: 12/20/11 04:02

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab for sample(s): 01-02 Batch: WG509248-1					
Total Petroleum Hydrocarbons (C9-C44)	ND		mg/kg	47.1	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		50-130
d50-Tetracosane	95		50-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121055

Report Date: 12/29/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Identification by GC-FID - Mansfield Lab Associated sample(s): 01-02 Batch: WG509248-2 WG509248-3								
Nonane (C9)	75		76		50-130	1		30
Decane (C10)	66		67		50-130	2		30
Dodecane (C12)	62		64		50-130	3		30
Tetradecane (C14)	63		66		50-130	5		30
Hexadecane (C16)	70		72		50-130	3		30
Octadecane (C18)	89		91		50-130	2		30
Nonadecane (C19)	78		80		50-130	3		30
Eicosane (C20)	83		84		50-130	1		30
Docosane (C22)	86		89		50-130	3		30
Tetracosane (C24)	88		90		50-130	2		30
Hexacosane (C26)	90		92		50-130	2		30
Octacosane (C28)	90		92		50-130	2		30
Triacontane (C30)	80		81		50-130	1		30
Hexatriacontane (C36)	89		90		50-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	89		89		50-130
d50-Tetracosane	90		91		50-130

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121055
Report Date: 12/29/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1121055-01A	Glass 250ml unpreserved	A	N/A	2.1	Y	Absent	A2-PHI(365)
L1121055-02A	Glass 250ml unpreserved	A	N/A	2.1	Y	Absent	A2-PHI(365)

*Values in parentheses indicate holding time in days

Project Name:	EXTELL	**Lab Number:**	L1121055
Project Number:	11454-0002	**Report Date:**	12/29/11

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name:	EXTELL	**Lab Number:**	L1121055
Project Number:	11454-0002	**Report Date:**	12/29/11

Data Qualifiers

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

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

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

Report Format: Data Usability Report

Project Name:	EXTELL	**Lab Number:**	L1121055
Project Number:	11454-0002	**Report Date:**	12/29/11

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised December 9, 2011 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 245.7, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8260B, 8270C, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, SM2320B, SM2540D, 2540G, EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020, 9050A. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 7474, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited***

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A,7471B, 7474. Organic Parameters: EPA3050B, 3540C, 3630C, 8270C, 8081B, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1121055

Client Information

Client: AKRF, Inc. / Justin Kapson
Address: 440 Park Ave S, 7th Fl New York, NY
Phone: 646-388-9767
Fax: 212-726-0942
Email: dkapson@akrf.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Extell
Project Location: 547 10th Ave
Project #: 11454-0002
Project Manager: Michelle Lapin
ALPHA Quote #:

Turn-Around Time

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

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 11454-0002

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:
Products contained within one Jar. Please run two separate fingerprint analyses.

ANALYSIS: Petroleum Fingerprint

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Petroleum Fingerprint	Sample Specific Comments	TOTAL # BOTTLES
L1121055-1	Product A	12-14-11	13:25	O	DK	X	Top of JAR - Brown	
-2	Product B	12-14-11	13:25	O	DK	X	Bottom of JAR - Green	

Container Type	G
Preservative	A

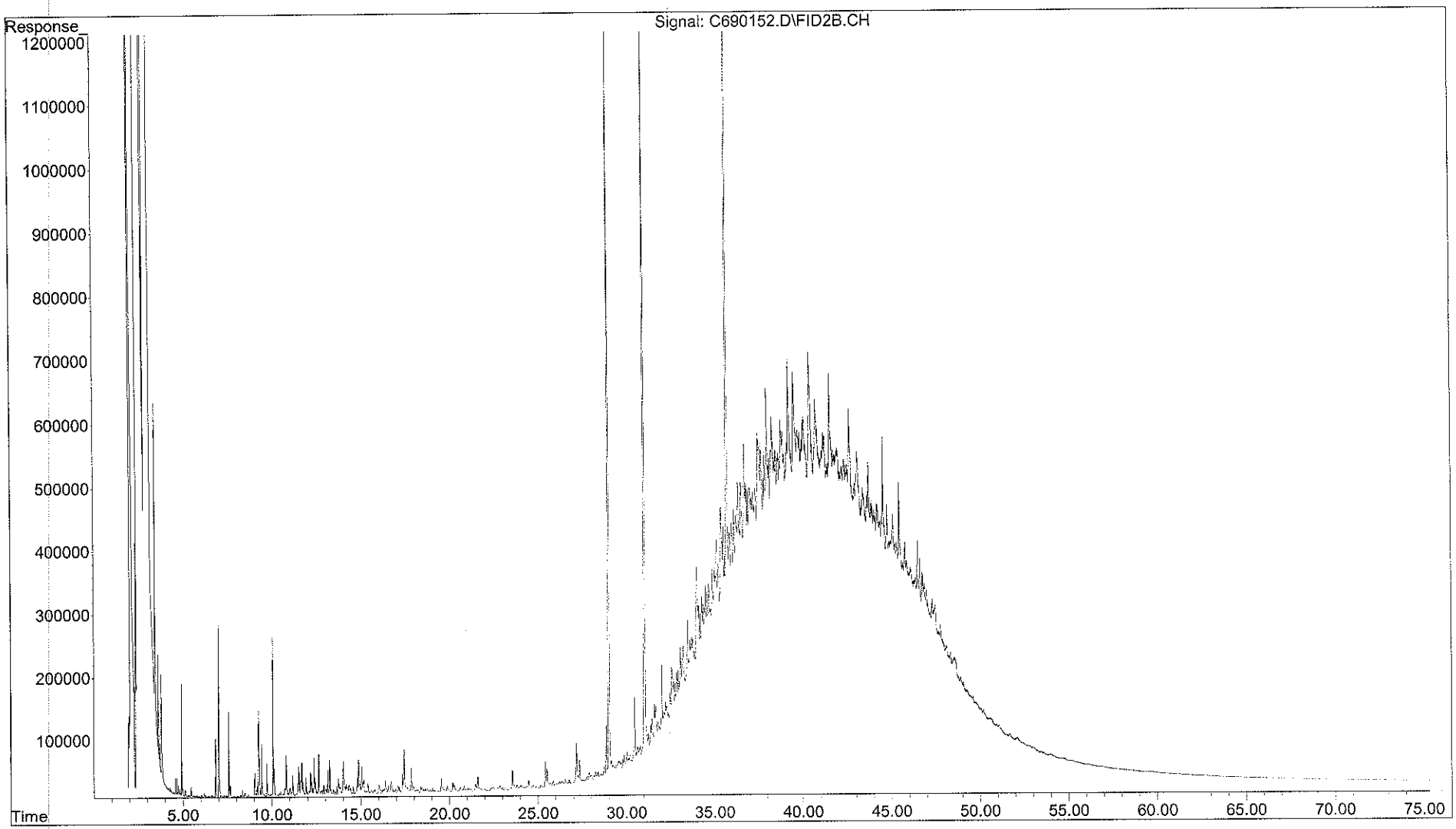
Relinquished By:	Date/Time	Received By:	Date/Time
	12-15-11/935		12/15/11 9:35
	12/15/11 1700		12/15/11 1700
	12/15/11 2210		12/15/11 2210
	12/15/11 22:50		12/16/11 705

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

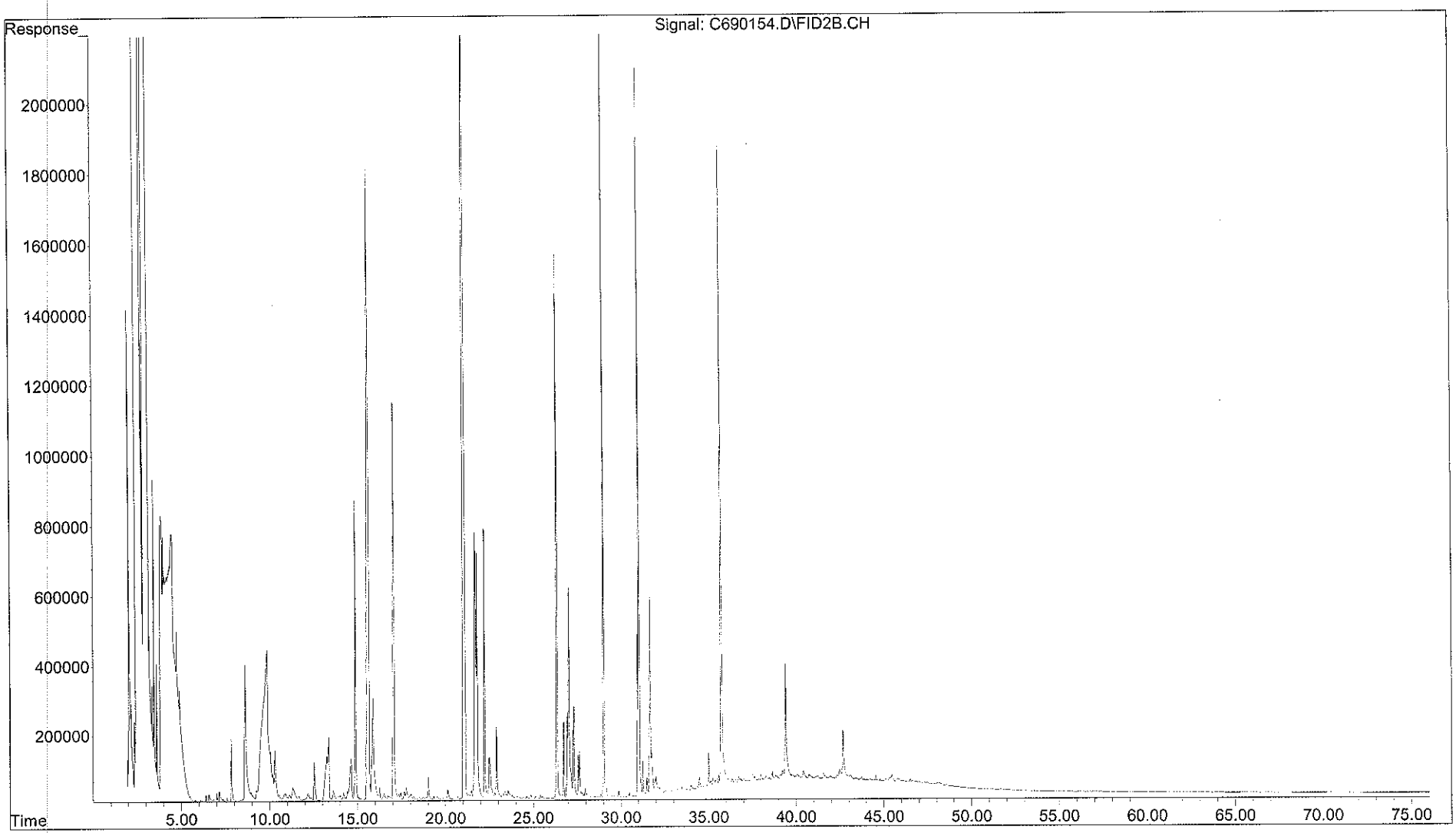
FORM NO: 01-01 (rev. 14-OCT-07)

GC-FID Chromatogram

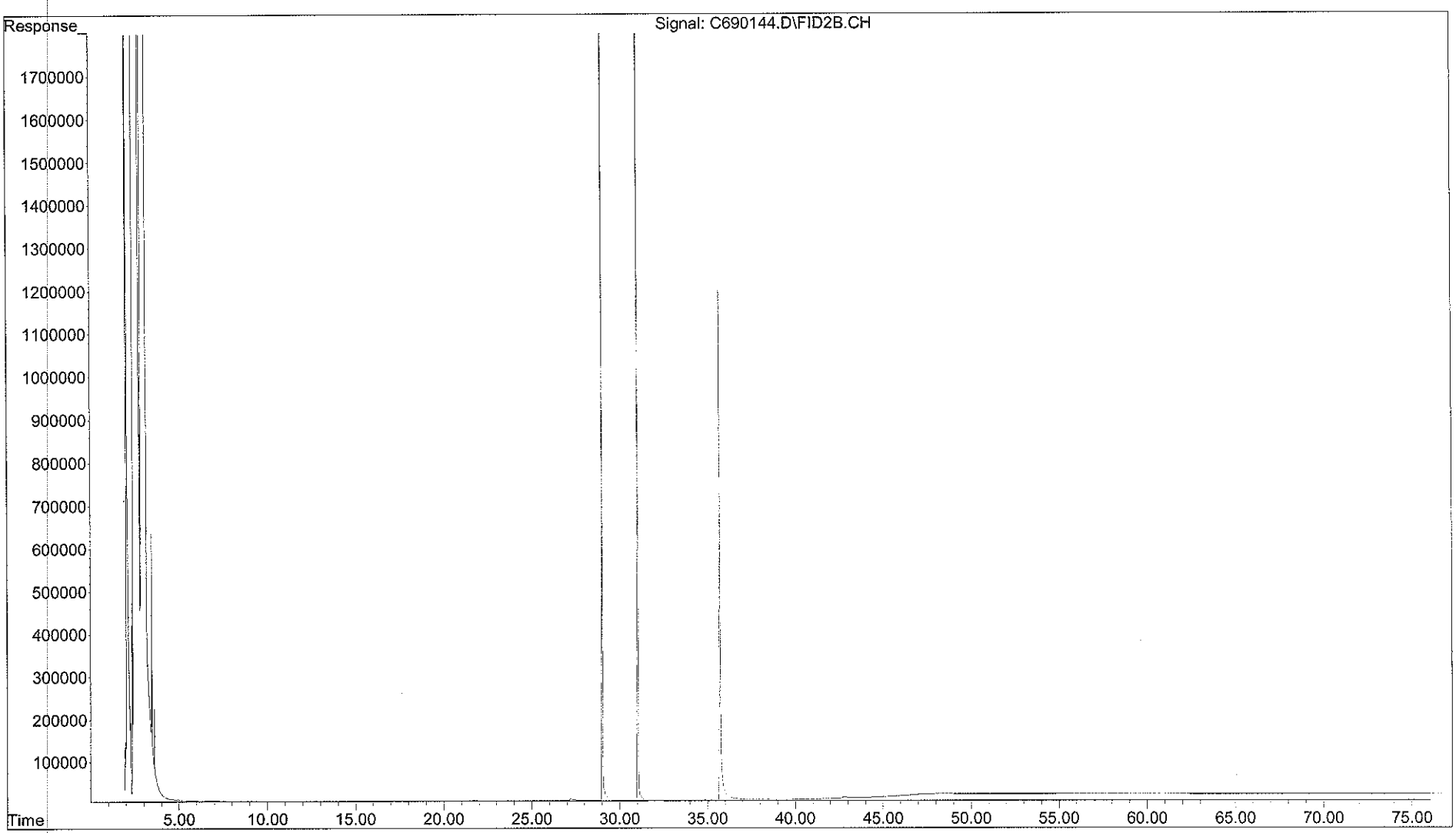
File :O:\Forensics\Data\FID6\2011\DEC2011\DEC19.SEC\SREV\C690152.D
Operator : FID6:JT
Acquired : 21 Dec 2011 1:37 am using AcqMethod FID6A.M
Instrument : FID6
Sample Name: L1121055-01,42
Misc Info : WG509879,WG509248
Vial Number: 78



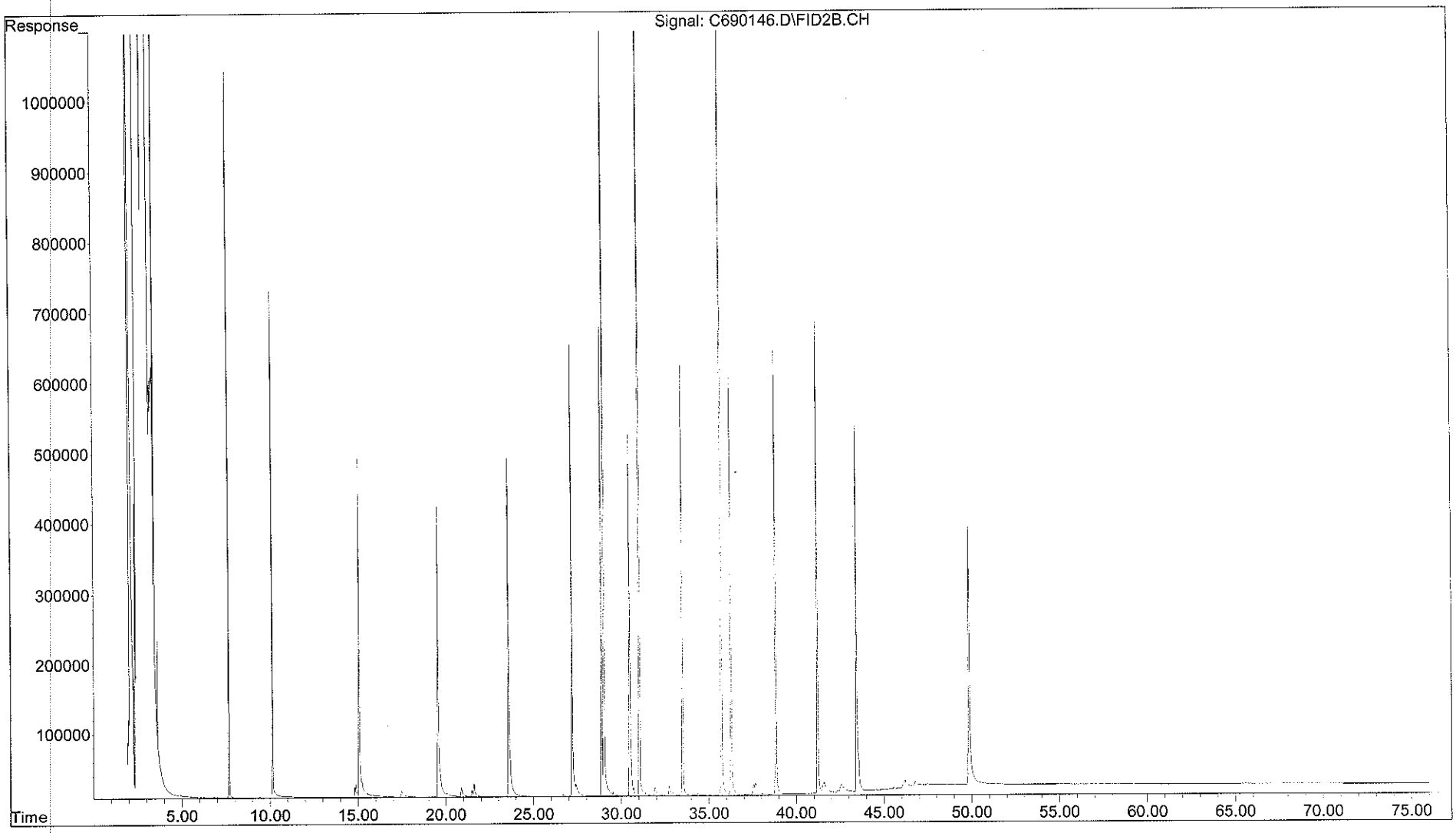
File :O:\Forensics\Data\FID6\2011\DEC2011\DEC19.SEC\SREV\C690154.D
Operator : FID6:JT
Acquired : 21 Dec 2011 3:06 am using AcqMethod FID6A.M
Instrument : FID6
Sample Name: L1121055-02,42
Misc Info : WG509879,WG509248
Vial Number: 79



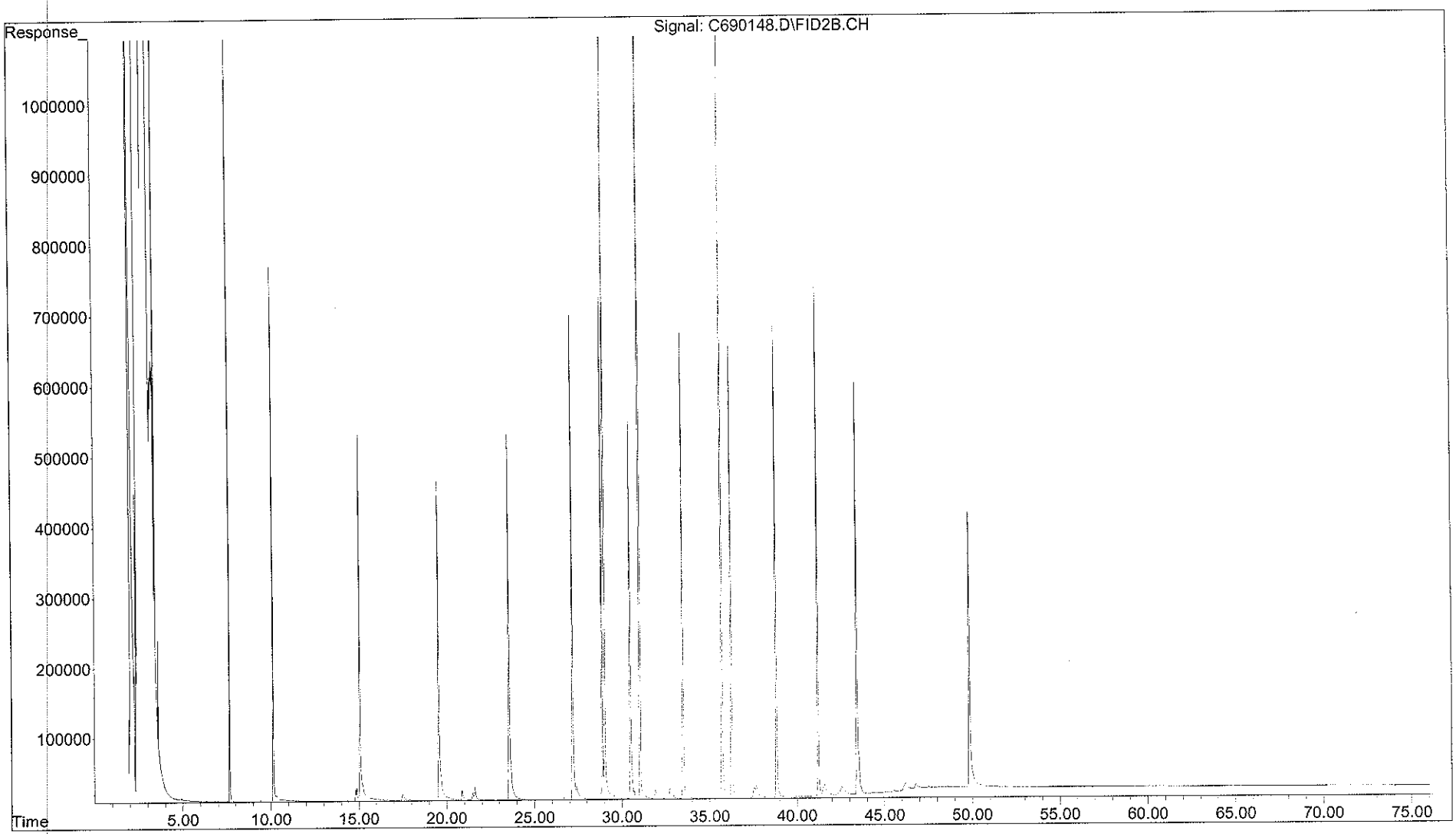
File :O:\Forensics\Data\FID6\2011\DEC2011\DEC19.SEC\SREV\C690144.D
Operator : FID6:JT
Acquired : 20 Dec 2011 7:42 pm using AcqMethod FID6A.M
Instrument : FID6
Sample Name: WG509248-1,42
Misc Info : WG509879,WG509248
Vial Number: 74



File :O:\Forensics\Data\FID6\2011\DEC2011\DEC19.SEC\SREV\C690146.D
Operator : FID6:JT
Acquired : 20 Dec 2011 9:11 pm using AcqMethod FID6A.M
Instrument : FID6
Sample Name: WG509248-2,42
Misc Info : WG509879,WG509248
Vial Number: 75



File :O:\Forensics\Data\FID6\2011\DEC2011\DEC19.SEC\SREV\C690148.D
Operator : FID6:JT
Acquired : 20 Dec 2011 10:39 pm using AcqMethod FID6A.M
Instrument : FID6
Sample Name: WG509248-3,42
Misc Info : WG509879,WG509248
Vial Number: 76



Petroleum Reference Standards

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\FID6\2011\DEC2011\DEC19.SEC\SREV\
Data File : C690138.D
Signal(s) : FID2B.CH
Acq On : 20 Dec 2011 3:15 pm
Operator : FID6:JT
Sample : WG509879-1
Misc : WG509879
ALS Vial : 71 Sample Multiplier: 1

Integration File: SHCINT2.E
Quant Time: Dec 21 17:14:42 2011
Quant Method : O:\FORENSICS\DATA\FID6\2011\DEC2011\DEC19.SEC\HC6110811R.M
Quant Title : FID Forensics
QLast Update : Tue Dec 20 16:00:16 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0
Signal Phase : Rtx-5MS
Signal Info : 0.25mm

Sub List : CCAL - CCAL

	Compound	R.T.	Response	Conc Units
	Internal Standards			
1) I	5-alpha-androstane	31.059	57220662	50.000 ug/mL M4
	System Monitoring Compounds			
19) s	ortho-terphenyl	29.041	62383564	49.723 ug/mL M4
Spiked Amount	50.000 Range	50 - 130	Recovery =	99.45%
24) s	d50-Tetracosane	35.728	50839261	50.354 ug/mL M4
Spiked Amount	50.000 Range	50 - 130	Recovery =	100.71%
	Target Compounds			
2) t	n-Octane (C8)	5.491	41437989	41.209 ug/mL M4
3) t	n-Nonane (C9)	7.677	43532406	41.887 ug/mL M4
4) t	n-Decane (C10)	10.146	47477587	44.347 ug/mL M4
5) t	n-Undecane (C11)	12.651	48962314	45.384 ug/mL M4
6) t	n-Dodecane (C12)	15.074	50446558	46.009 ug/mL M4
7) t	n-Tridecane (C13)	17.379	51210613	46.588 ug/mL M4
9) t	n-Tetradecane (C14)	19.558	52155074	47.088 ug/mL M4
11) t	n-Pentadecane (C15)	21.622	52171108	47.170 ug/mL M4
12) t	n-Hexadecane (C16)	23.579	53170130	47.743 ug/mL M4
14) t	n-Heptadecane (C17)	25.437	52790119	47.418 ug/mL M4
15) t	Pristane	25.547	57056357	50.188 ug/mL M4
16) t	n-Octadecane (C18)	27.204	54458988	48.006 ug/mL M4
17) t	Phytane	27.368	55478717	49.354 ug/mL M4
18) t	n-Nonadecane (C19)	28.888	54547887	48.292 ug/mL M4
20) t	n-Eicosane (C20)	30.494	55971438	49.103 ug/mL M4
21) t	n-Heneicosane (C21)	32.032	56152511	49.389 ug/mL M4
22) t	n-Docosane (C22)	33.504	56655787	49.516 ug/mL M4
23) t	n-Tricosane (C23)	34.918	56591383	49.359 ug/mL M4
25) t	n-Tetracosane (C24)	36.274	56363194	49.313 ug/mL M4
26) t	n-Pentacosane (C25)	37.582	57694901	49.520 ug/mL M4
27) t	n-Hexacosane (C26)	38.837	57269489	49.444 ug/mL M4
28) t	n-Heptacosane (C27)	40.049	56908900	49.785 ug/mL M4
29) t	n-Octacosane (C28)	41.222	56716137	49.127 ug/mL M4
30) t	n-Nonacosane (C29)	42.351	56607437	48.814 ug/mL M4

Data Path : O:\Forensics\Data\FID6\2011\DEC2011\DEC19.SEC\SREV\
Data File : C690138.D
Signal(s) : FID2B.CH
Acq On : 20 Dec 2011 3:15 pm
Operator : FID6:JT
Sample : WG509879-1
Misc : WG509879
ALS Vial : 71 Sample Multiplier: 1

Integration File: SHCINT2.E
Quant Time: Dec 21 17:14:42 2011
Quant Method : O:\FORENSICS\DATA\FID6\2011\DEC2011\DEC19.SEC\HC6110811R.M
Quant Title : FID Forensics
QLast Update : Tue Dec 20 16:00:16 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1.0
Signal Phase : Rtx-5MS
Signal Info : 0.25mm

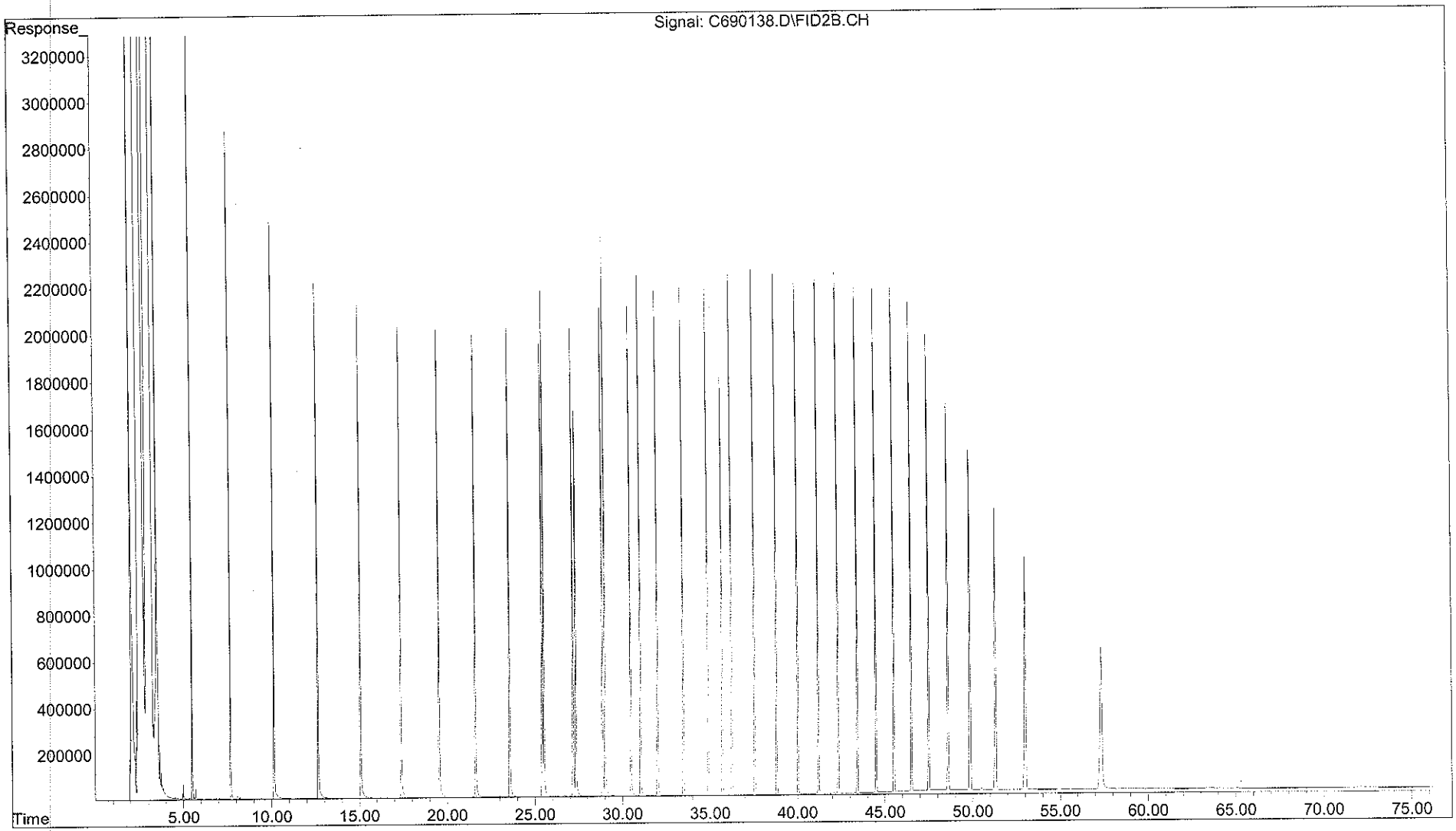
Sub List : CCAL - CCAL

	Compound	R.T.	Response	Conc Units
31) t	n-Triacontane (C30)	43.448	57498984	49.916 ug/mL M4
32) t	n-Hentriacontane (C31)	44.503	56896594	49.118 ug/mL M4
33) t	n-Dotriacontane (C32)	45.531	56368794	49.086 ug/mL M4
34) t	n-Tritriacontane (C33)	46.526	56646962	51.152 ug/mL M4
35) t	n-tetratriacontane (C34)	47.521	56297843	49.802 ug/mL M4
36) t	n-Pentatriacontane (C35)	48.622	56994997	49.660 ug/mL M4
37) t	n-Hexatriacontane (C36)	49.884	58255200	49.678 ug/mL M4
38) t	n-Heptatriacontane (C37)	51.339	56862207	49.548 ug/mL M4
39) t	n-Octatriacontane (C38)	53.033	56415684	49.460 ug/mL M4
41) t	n-Tetracontane (C40)	57.347	51303448	47.637 ug/mL M4

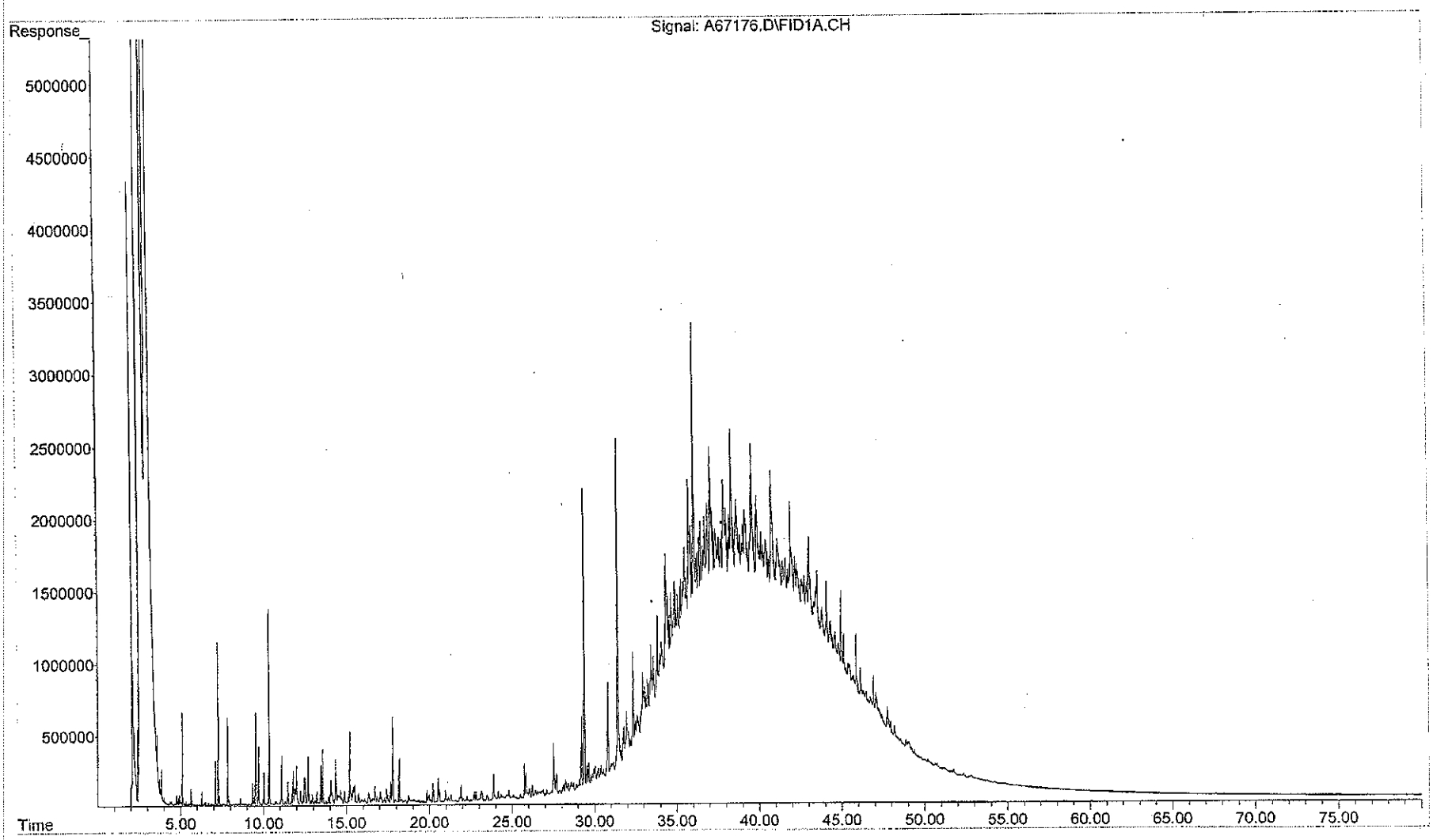
SemiQuant Compounds - Not Calibrated on this Instrument

(f)=RT Delta > 1/2 Window (m)=manual int.

File :O:\Forensics\Data\FID6\2011\DEC2011\DEC19.SEC\SREV\C690138.D
Operator : FID6:JT
Acquired : 20 Dec 2011 3:15 pm using AcqMethod FID6A.M
Instrument : FID6
Sample Name: WG509879-1
Misc Info : WG509879
Vial Number: 71



File :O:\FORENSICS\DATA\FID6\2009\JAN09\JAN12\A67176.D
Operator : NLJr
Acquired : 14 Jan 2009 9:14 am using AcqMethod FID6A.M
Instrument : FID6
Sample Name: R6011207
Misc Info : USED MOTOR OIL
Vial Number: 30



ANALYTICAL REPORT

Lab Number:	L1121840
Client:	AKRF, Inc. 440 Park Avenue South New York, NY 10016
ATTN:	Michelle Lapin
Phone:	(212) 696-0670
Project Name:	EXTELL
Project Number:	11454-0002
Report Date:	01/09/12

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1121840-01	SB-1 (3-4)	547 10TH AVE.	12/28/11 09:50
L1121840-02	SB-1 (13-14)	547 10TH AVE.	12/28/11 09:55
L1121840-03	SB-2 (0-1)	547 10TH AVE.	12/28/11 10:46
L1121840-04	SB-2 (13-14)	547 10TH AVE.	12/28/11 10:52
L1121840-05	SB-3 (1-2)	547 10TH AVE.	12/28/11 11:20
L1121840-06	SB-3 (13-14)	547 10TH AVE.	12/28/11 11:25
L1121840-07	SB-4 (2-3)	547 10TH AVE.	12/28/11 12:14
L1121840-08	SB-4 (14-15)	547 10TH AVE.	12/28/11 12:20
L1121840-09	SB-5 (2-3)	547 10TH AVE.	12/28/11 12:43
L1121840-10	SB-5 (14-15)	547 10TH AVE.	12/28/11 12:50
L1121840-11	SB-6 (1-2)	547 10TH AVE.	12/28/11 13:45
L1121840-12	SB-6 (13-14)	547 10TH AVE.	12/28/11 13:50
L1121840-13	SB-7 (3-4)	547 10TH AVE.	12/28/11 14:40
L1121840-14	SB-7 (14-15)	547 10TH AVE.	12/28/11 14:51
L1121840-15	SB-8 (4-5)	547 10TH AVE.	12/28/11 15:26
L1121840-16	SB-8 (14-15)	547 10TH AVE.	12/28/11 15:32
L1121840-17	SB-9 (3-4)	547 10TH AVE.	12/28/11 15:55
L1121840-18	SB-9 (14-15)	547 10TH AVE.	12/28/11 16:03
L1121840-19	SB-10 (11-12)	547 10TH AVE.	12/29/11 11:31
L1121840-20	SB-11 (14-15)	547 10TH AVE.	12/29/11 11:35
L1121840-21	SB-11A (14-15)	547 10TH AVE.	12/29/11 12:46
L1121840-22	SB-12 (11-12)	547 10TH AVE.	12/29/11 11:40
L1121840-23	SB-13 (14-15)	547 10TH AVE.	12/29/11 11:47
L1121840-24	TW-1	547 10TH AVE.	12/28/11 10:25
L1121840-25	TW-2	547 10TH AVE.	12/28/11 11:07
L1121840-26	TW-4	547 10TH AVE.	12/28/11 14:55
L1121840-27	TW-7	547 10TH AVE.	12/29/11 09:39
L1121840-28	TW-8	547 10TH AVE.	12/29/11 11:39
L1121840-29	TW-9	547 10TH AVE.	12/29/11 08:58
L1121840-30	TB-S	547 10TH AVE.	12/28/11 00:00
L1121840-31	TB-W	547 10TH AVE.	12/28/11 00:00

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1121840-32	MW-1	547 10TH AVE.	12/30/11 12:15
L1121840-33	MW-2	547 10TH AVE.	12/30/11 13:14
L1121840-34	MW-3	547 10TH AVE.	12/30/11 13:56
L1121840-35	MW-4	547 10TH AVE.	12/30/11 14:40

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

For additional information, please contact Client Services at 800-624-9220.

Report Submission

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

Volatile Organics

L1121840-10, -16, -20, -21, -29, and -32 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1121840-18 and -23 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

Semivolatile Organics

L1121840-01, -07, -11, -12, -15, -16, -18, and -19 have elevated detection limits due to the dilutions

Project Name:	EXTELL	**Lab Number:**	L1121840
Project Number:	11454-0002	**Report Date:**	01/09/12

Case Narrative (continued)

required by the sample matrix (extracts were dark and viscous).
L1121840-09 and -20 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.
L1121840-09 and -20 were re-analyzed on dilution in order to quantitate the samples within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.
L1121840-13 has elevated detection limits due to the dilution required by the sample matrix (extract was dark and viscous) and the dilution required by matrix interferences encountered during the concentration of the sample.
The surrogate recoveries for L1121840-13 are below the acceptance criteria for 2-Fluorophenol, Phenol-d6, Nitrobenzene-d5, 2-Fluorobiphenyl, and 4-Terphenyl-d14 (all 0%) due to the dilutions required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.
The surrogate recoveries for L1121840-17 and -23 are outside the individual acceptance criteria for 2-Fluorobiphenyl (29% and 121%, respectively), but within the overall method allowances.
The WG512537-2/-3 LCS/LCSD recoveries, associated with L1121840-02, were above the acceptance criteria for 2,4-Dinitrotoluene (90%/95%); however, the associated sample was non-detect for this target compound. The results of the original analysis are reported.

Semivolatile Organics by SIM
L1121840-29 was re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

PCBs
The surrogate recovery for L1121840-17 is below the individual acceptance criteria for Decachlorobiphenyl (27%), but within the overall method allowances.

Project Name: EXTELL **Lab Number:** L1121840
Project Number: 11454-0002 **Report Date:** 01/09/12

Case Narrative (continued)

Pesticides

L1121840-01, -03, -07, -09, -11, and -16 have elevated detection limits due to the dilutions required by the sample matrix (extracts were dark yellow).

L1121840-05 was re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

L1121840-13 has elevated detection limits due to the dilution required by the sample matrix (extract was brown).

The surrogate recoveries for L1121840-09 and -13 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

The surrogate recovery for L1121840-10 and -14 is above the individual acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (304% and 2010% respectively), but within the overall method allowances.

The surrogate recovery for L1121840-11 and -16 is above the individual acceptance criteria for Decachlorobiphenyl (186% and 152% respectively), but within the overall method allowances.

The dual column RPD for L1121840-35 is above the acceptance criteria for Endosulfan I; however, no obvious column interferences are present. The higher of the two results is reported and qualified with a "P".

The WG511446-2/-3 LCS/LCSD RPDs, associated with L1121840-01 through -18, are above the acceptance criteria for Delta-BHC (31%) and Methoxychlor (33%).

Total Metals

L1121840-01, -07, -09, and -13 have elevated detection limits for all elements, with the exception of Mercury and Calcium, due to the dilutions required by the sample matrix.

L1121840-01, -07, -09, and -13 have elevated detection limits for Calcium due to the dilution required to quantitate the results within the calibration range.

L1121840-02, -03, -04, -06, -08, -10, -11, -12, and -14 through -18 have elevated detection limits for all elements, with the exception of Mercury, due to the dilutions required by the sample matrix.

Project Name: EXTELL **Lab Number:** L1121840
Project Number: 11454-0002 **Report Date:** 01/09/12

Case Narrative (continued)

L1121840-05 has elevated detection limits for all elements, with the exception of Calcium, Mercury and Zinc, due to the dilutions required by the sample matrix.
L1121840-05 has elevated detection limits for Calcium and Zinc due to the dilutions required to quantitate the results within the calibration range.
L1121840-24 through -29 and -32 through -35 have elevated detection limits for Antimony, Beryllium, and Thallium due to the dilutions required by the high concentrations of non-target analytes.
The WG511631-4 MS recovery, performed on L1121840-12, is above the acceptance criteria for Mercury (3670%). A post digestion spike was performed with an acceptable recovery of 102%.
The WG511655-4 MS recoveries, performed on L1121840-24, are above the acceptance criteria for Aluminum (185%) and Chromium (130%). A post digestion spike was performed with acceptable recoveries for Aluminum (80%) and Chromium (85%).
The WG511655-4 MS recoveries for Calcium (0%), Iron (800%), Manganese (188%), performed on L1121840-24, do not apply because the sample concentrations are greater than four times the spike amount added.
The WG511828-4 MS recoveries for Aluminum (168%), Calcium (0%), Iron (0%), Magnesium (0%), and Nickel (0%) performed on L1121840-01, do not apply because the sample concentrations are greater than four times the spike amount added.
The WG511828-4 MS recoveries, performed on L1121840-01, are below the acceptance criteria for Antimony (31%), Copper (71%), Potassium (67%), and Zinc (22%). A post digestion spike was performed with acceptable recoveries for Antimony (91%), Copper (90%), Potassium (107%) and Zinc (79%).
The WG512513-4 MS recovery, performed on L1121840-27, is above the acceptance criteria for Mercury (137%). A post digestion spike was performed with an acceptable recovery of 107%.
The WG511655-3 Laboratory Duplicate RPD, performed on L1121840-24, is outside the acceptance criteria for Copper (30%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the Laboratory Duplicate.
The WG511828-3 Laboratory Duplicate RPD, performed on L1121840-01, is outside the acceptance criteria for Zinc (42%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the Laboratory Duplicate.

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

Authorized Signature:  Elizabeth Simmons

Title: Technical Director/Representative Date: 01/09/12

ORGANICS

VOLATILES

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-01
Client ID: SB-1 (3-4)
Sample Location: 547 10TH AVE.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 01/05/12 11:27
Analyst: BN
Percent Solids: 89%

Date Collected: 12/28/11 09:50
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	28	2.3	1
1,1-Dichloroethane	ND		ug/kg	4.2	0.83	1
Chloroform	ND		ug/kg	4.2	0.91	1
Carbon tetrachloride	ND		ug/kg	2.8	0.59	1
1,2-Dichloropropane	ND		ug/kg	9.8	0.72	1
Dibromochloromethane	ND		ug/kg	2.8	0.86	1
1,1,2-Trichloroethane	ND		ug/kg	4.2	1.1	1
Tetrachloroethene	ND		ug/kg	2.8	0.86	1
Chlorobenzene	ND		ug/kg	2.8	0.52	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.8	0.64	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	0.76	1
Bromodichloromethane	ND		ug/kg	2.8	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	0.84	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	0.75	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	11	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	0.67	1
Benzene	ND		ug/kg	2.8	0.83	1
Toluene	2.2	J	ug/kg	4.2	0.68	1
Ethylbenzene	ND		ug/kg	2.8	0.62	1
Chloromethane	ND		ug/kg	14	2.2	1
Bromomethane	ND		ug/kg	5.6	1.8	1
Vinyl chloride	ND		ug/kg	5.6	2.1	1
Chloroethane	ND		ug/kg	5.6	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.8	0.73	1
trans-1,2-Dichloroethene	ND		ug/kg	4.2	1.1	1
Trichloroethene	ND		ug/kg	2.8	0.63	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-01 Date Collected: 12/28/11 09:50

Client ID: SB-1 (3-4) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.6	1.4	1
p/m-Xylene	ND		ug/kg	5.6	1.2	1
o-Xylene	ND		ug/kg	5.6	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	0.85	1
Dibromomethane	ND		ug/kg	28	1.2	1
Styrene	ND		ug/kg	5.6	2.0	1
Dichlorodifluoromethane	ND		ug/kg	28	1.1	1
Acetone	ND		ug/kg	28	9.1	1
Carbon disulfide	ND		ug/kg	28	1.0	1
2-Butanone	ND		ug/kg	28	11.	1
Vinyl acetate	ND		ug/kg	28	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	28	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	28	1.1	1
2-Hexanone	ND		ug/kg	28	1.1	1
Bromochloromethane	ND		ug/kg	14	0.85	1
2,2-Dichloropropane	ND		ug/kg	14	2.2	1
1,2-Dibromoethane	ND		ug/kg	11	1.1	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	0.92	1
Bromobenzene	ND		ug/kg	14	0.62	1
n-Butylbenzene	ND		ug/kg	2.8	0.88	1
sec-Butylbenzene	ND		ug/kg	2.8	0.77	1
tert-Butylbenzene	ND		ug/kg	14	1.7	1
o-Chlorotoluene	ND		ug/kg	14	0.88	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.8	0.50	1
p-Isopropyltoluene	ND		ug/kg	2.8	0.77	1
Naphthalene	ND		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	28	1.0	1
n-Propylbenzene	ND		ug/kg	2.8	0.80	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.6	1
1,4-Diethylbenzene	ND		ug/kg	11	0.56	1
4-Ethyltoluene	ND		ug/kg	11	0.27	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	0.51	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-01 Date Collected: 12/28/11 09:50

Client ID: SB-1 (3-4) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-02
Client ID: SB-1 (13-14)
Sample Location: 547 10TH AVE.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 01/05/12 11:55
Analyst: BN
Percent Solids: 84%

Date Collected: 12/28/11 09:55
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.88	1
Chloroform	ND		ug/kg	4.5	0.97	1
Carbon tetrachloride	ND		ug/kg	3.0	0.63	1
1,2-Dichloropropane	ND		ug/kg	10	0.76	1
Dibromochloromethane	ND		ug/kg	3.0	0.92	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.91	1
Chlorobenzene	ND		ug/kg	3.0	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	3.1		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.80	1
Bromodichloromethane	ND		ug/kg	3.0	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.89	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.71	1
Benzene	ND		ug/kg	3.0	0.88	1
Toluene	ND		ug/kg	4.5	0.72	1
Ethylbenzene	ND		ug/kg	3.0	0.66	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	6.0	1.9	1
Vinyl chloride	ND		ug/kg	6.0	2.2	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.77	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-02 Date Collected: 12/28/11 09:55

Client ID: SB-1 (13-14) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.0	1.4	1
p/m-Xylene	ND		ug/kg	6.0	1.3	1
o-Xylene	ND		ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.90	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	ND		ug/kg	30	9.6	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.90	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.98	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	ND		ug/kg	3.0	0.94	1
sec-Butylbenzene	ND		ug/kg	3.0	0.82	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.93	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.81	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Diethylbenzene	ND		ug/kg	12	0.60	1
4-Ethyltoluene	ND		ug/kg	12	0.29	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.54	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-02 Date Collected: 12/28/11 09:55

Client ID: SB-1 (13-14) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-03	Date Collected:	12/28/11 10:46
Client ID:	SB-2 (0-1)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	01/05/12 12:23		
Analyst:	BN		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.86	1
Chloroform	ND		ug/kg	4.4	0.94	1
Carbon tetrachloride	ND		ug/kg	2.9	0.61	1
1,2-Dichloropropane	ND		ug/kg	10	0.74	1
Dibromochloromethane	ND		ug/kg	2.9	0.89	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.1	1
Tetrachloroethene	ND		ug/kg	2.9	0.89	1
Chlorobenzene	ND		ug/kg	2.9	0.54	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	9.3		ug/kg	2.9	0.66	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.78	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.87	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.70	1
Benzene	ND		ug/kg	2.9	0.86	1
Toluene	ND		ug/kg	4.4	0.70	1
Ethylbenzene	ND		ug/kg	2.9	0.64	1
Chloromethane	ND		ug/kg	14	2.3	1
Bromomethane	ND		ug/kg	5.8	1.9	1
Vinyl chloride	ND		ug/kg	5.8	2.2	1
Chloroethane	ND		ug/kg	5.8	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.1	1
Trichloroethene	ND		ug/kg	2.9	0.65	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-03 Date Collected: 12/28/11 10:46

Client ID: SB-2 (0-1) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.8	1.4	1
p/m-Xylene	ND		ug/kg	5.8	1.2	1
o-Xylene	ND		ug/kg	5.8	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.88	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.8	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.4	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	14	0.88	1
2,2-Dichloropropane	ND		ug/kg	14	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.95	1
Bromobenzene	ND		ug/kg	14	0.64	1
n-Butylbenzene	ND		ug/kg	2.9	0.91	1
sec-Butylbenzene	ND		ug/kg	2.9	0.80	1
tert-Butylbenzene	ND		ug/kg	14	1.8	1
o-Chlorotoluene	ND		ug/kg	14	0.91	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.51	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.79	1
Naphthalene	ND		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.82	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,4-Diethylbenzene	ND		ug/kg	12	0.58	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-03 Date Collected: 12/28/11 10:46

Client ID: SB-2 (0-1) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.3	1

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

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-04
Client ID: SB-2 (13-14)
Sample Location: 547 10TH AVE.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 01/05/12 12:51
Analyst: BN
Percent Solids: 83%

Date Collected: 12/28/11 10:52
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.89	1
Chloroform	ND		ug/kg	4.5	0.98	1
Carbon tetrachloride	ND		ug/kg	3.0	0.64	1
1,2-Dichloropropane	ND		ug/kg	10	0.77	1
Dibromochloromethane	ND		ug/kg	3.0	0.93	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.92	1
Chlorobenzene	ND		ug/kg	3.0	0.56	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	4.3		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.81	1
Bromodichloromethane	ND		ug/kg	3.0	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.90	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.72	1
Benzene	ND		ug/kg	3.0	0.90	1
Toluene	ND		ug/kg	4.5	0.73	1
Ethylbenzene	ND		ug/kg	3.0	0.67	1
Chloromethane	ND		ug/kg	15	2.4	1
Bromomethane	ND		ug/kg	6.0	2.0	1
Vinyl chloride	ND		ug/kg	6.0	2.3	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.78	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.3	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-04 Date Collected: 12/28/11 10:52

Client ID: SB-2 (13-14) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.0	1.5	1
p/m-Xylene	ND		ug/kg	6.0	1.3	1
o-Xylene	ND		ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.91	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	ND		ug/kg	30	9.7	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.91	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.99	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	ND		ug/kg	3.0	0.95	1
sec-Butylbenzene	ND		ug/kg	3.0	0.83	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.94	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.82	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.86	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Diethylbenzene	ND		ug/kg	12	0.60	1
4-Ethyltoluene	ND		ug/kg	12	0.29	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.54	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-04 Date Collected: 12/28/11 10:52

Client ID: SB-2 (13-14) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-05
Client ID: SB-3 (1-2)
Sample Location: 547 10TH AVE.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 01/05/12 13:19
Analyst: BN
Percent Solids: 85%

Date Collected: 12/28/11 11:20
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.87	1
Chloroform	ND		ug/kg	4.4	0.95	1
Carbon tetrachloride	ND		ug/kg	2.9	0.62	1
1,2-Dichloropropane	ND		ug/kg	10	0.75	1
Dibromochloromethane	ND		ug/kg	2.9	0.90	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.2	1
Tetrachloroethene	ND		ug/kg	2.9	0.90	1
Chlorobenzene	ND		ug/kg	2.9	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	6.6		ug/kg	2.9	0.67	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.79	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.88	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	15	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.71	1
Benzene	ND		ug/kg	2.9	0.87	1
Toluene	ND		ug/kg	4.4	0.71	1
Ethylbenzene	ND		ug/kg	2.9	0.65	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	5.9	1.9	1
Vinyl chloride	ND		ug/kg	5.9	2.2	1
Chloroethane	ND		ug/kg	5.9	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.2	1
Trichloroethene	ND		ug/kg	2.9	0.66	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-05 Date Collected: 12/28/11 11:20

Client ID: SB-3 (1-2) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.9	1.4	1
p/m-Xylene	ND		ug/kg	5.9	1.3	1
o-Xylene	ND		ug/kg	5.9	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.89	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.9	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.5	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	15	0.89	1
2,2-Dichloropropane	ND		ug/kg	15	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.96	1
Bromobenzene	ND		ug/kg	15	0.65	1
n-Butylbenzene	ND		ug/kg	2.9	0.92	1
sec-Butylbenzene	ND		ug/kg	2.9	0.81	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.92	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.52	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.80	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Diethylbenzene	ND		ug/kg	12	0.59	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-05 Date Collected: 12/28/11 11:20

Client ID: SB-3 (1-2) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-06
Client ID: SB-3 (13-14)
Sample Location: 547 10TH AVE.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 01/05/12 13:47
Analyst: BN
Percent Solids: 86%

Date Collected: 12/28/11 11:25
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.86	1
Chloroform	ND		ug/kg	4.4	0.94	1
Carbon tetrachloride	ND		ug/kg	2.9	0.61	1
1,2-Dichloropropane	ND		ug/kg	10	0.74	1
Dibromochloromethane	ND		ug/kg	2.9	0.89	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.1	1
Tetrachloroethene	ND		ug/kg	2.9	0.89	1
Chlorobenzene	ND		ug/kg	2.9	0.54	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.9	0.66	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.78	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.87	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.70	1
Benzene	ND		ug/kg	2.9	0.86	1
Toluene	ND		ug/kg	4.4	0.70	1
Ethylbenzene	ND		ug/kg	2.9	0.64	1
Chloromethane	ND		ug/kg	14	2.3	1
Bromomethane	ND		ug/kg	5.8	1.9	1
Vinyl chloride	ND		ug/kg	5.8	2.2	1
Chloroethane	ND		ug/kg	5.8	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.1	1
Trichloroethene	ND		ug/kg	2.9	0.65	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-06 Date Collected: 12/28/11 11:25

Client ID: SB-3 (13-14) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.8	1.4	1
p/m-Xylene	ND		ug/kg	5.8	1.2	1
o-Xylene	ND		ug/kg	5.8	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.88	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.8	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.4	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	14	0.88	1
2,2-Dichloropropane	ND		ug/kg	14	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.95	1
Bromobenzene	ND		ug/kg	14	0.64	1
n-Butylbenzene	ND		ug/kg	2.9	0.91	1
sec-Butylbenzene	ND		ug/kg	2.9	0.80	1
tert-Butylbenzene	ND		ug/kg	14	1.8	1
o-Chlorotoluene	ND		ug/kg	14	0.91	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.51	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.79	1
Naphthalene	21		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.82	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,4-Diethylbenzene	ND		ug/kg	12	0.58	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-06 Date Collected: 12/28/11 11:25

Client ID: SB-3 (13-14) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-07	Date Collected:	12/28/11 12:14
Client ID:	SB-4 (2-3)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	01/05/12 14:15		
Analyst:	BN		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	2.3	1
1,1-Dichloroethane	ND		ug/kg	4.3	0.85	1
Chloroform	ND		ug/kg	4.3	0.93	1
Carbon tetrachloride	ND		ug/kg	2.9	0.61	1
1,2-Dichloropropane	ND		ug/kg	10	0.73	1
Dibromochloromethane	ND		ug/kg	2.9	0.88	1
1,1,2-Trichloroethane	ND		ug/kg	4.3	1.1	1
Tetrachloroethene	ND		ug/kg	2.9	0.88	1
Chlorobenzene	ND		ug/kg	2.9	0.54	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	2.4	J	ug/kg	2.9	0.65	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.78	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.86	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.77	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	11	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.69	1
Benzene	ND		ug/kg	2.9	0.85	1
Toluene	ND		ug/kg	4.3	0.69	1
Ethylbenzene	ND		ug/kg	2.9	0.64	1
Chloromethane	ND		ug/kg	14	2.2	1
Bromomethane	ND		ug/kg	5.7	1.9	1
Vinyl chloride	ND		ug/kg	5.7	2.2	1
Chloroethane	ND		ug/kg	5.7	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.75	1
trans-1,2-Dichloroethene	ND		ug/kg	4.3	1.1	1
Trichloroethene	ND		ug/kg	2.9	0.64	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-07 Date Collected: 12/28/11 12:14

Client ID: SB-4 (2-3) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.7	1.4	1
p/m-Xylene	ND		ug/kg	5.7	1.2	1
o-Xylene	ND		ug/kg	5.7	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.87	1
Dibromomethane	ND		ug/kg	29	1.2	1
Styrene	ND		ug/kg	5.7	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.3	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.1	1
Bromochloromethane	ND		ug/kg	14	0.87	1
2,2-Dichloropropane	ND		ug/kg	14	2.3	1
1,2-Dibromoethane	ND		ug/kg	11	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.94	1
Bromobenzene	ND		ug/kg	14	0.63	1
n-Butylbenzene	ND		ug/kg	2.9	0.90	1
sec-Butylbenzene	ND		ug/kg	2.9	0.79	1
tert-Butylbenzene	ND		ug/kg	14	1.7	1
o-Chlorotoluene	ND		ug/kg	14	0.90	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.51	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.78	1
Naphthalene	4.0	J	ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.82	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.6	1
1,4-Diethylbenzene	ND		ug/kg	11	0.57	1
4-Ethyltoluene	ND		ug/kg	11	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	0.52	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-07 Date Collected: 12/28/11 12:14

Client ID: SB-4 (2-3) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-08
Client ID: SB-4 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 01/05/12 14:43
Analyst: BN
Percent Solids: 86%

Date Collected: 12/28/11 12:20
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.86	1
Chloroform	ND		ug/kg	4.4	0.94	1
Carbon tetrachloride	ND		ug/kg	2.9	0.61	1
1,2-Dichloropropane	ND		ug/kg	10	0.74	1
Dibromochloromethane	ND		ug/kg	2.9	0.89	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.1	1
Tetrachloroethene	ND		ug/kg	2.9	0.89	1
Chlorobenzene	ND		ug/kg	2.9	0.54	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	3.1		ug/kg	2.9	0.66	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.78	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.87	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.70	1
Benzene	ND		ug/kg	2.9	0.86	1
Toluene	ND		ug/kg	4.4	0.70	1
Ethylbenzene	ND		ug/kg	2.9	0.64	1
Chloromethane	ND		ug/kg	14	2.3	1
Bromomethane	ND		ug/kg	5.8	1.9	1
Vinyl chloride	ND		ug/kg	5.8	2.2	1
Chloroethane	ND		ug/kg	5.8	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.1	1
Trichloroethene	ND		ug/kg	2.9	0.65	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-08 Date Collected: 12/28/11 12:20

Client ID: SB-4 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.8	1.4	1
p/m-Xylene	ND		ug/kg	5.8	1.2	1
o-Xylene	ND		ug/kg	5.8	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.88	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.8	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.4	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	14	0.88	1
2,2-Dichloropropane	ND		ug/kg	14	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.95	1
Bromobenzene	ND		ug/kg	14	0.64	1
n-Butylbenzene	ND		ug/kg	2.9	0.91	1
sec-Butylbenzene	ND		ug/kg	2.9	0.80	1
tert-Butylbenzene	ND		ug/kg	14	1.8	1
o-Chlorotoluene	ND		ug/kg	14	0.91	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.51	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.79	1
Naphthalene	ND		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.82	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,4-Diethylbenzene	ND		ug/kg	12	0.58	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-08 Date Collected: 12/28/11 12:20

Client ID: SB-4 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.3	1

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

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-09
Client ID: SB-5 (2-3)
Sample Location: 547 10TH AVE.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 01/05/12 15:11
Analyst: BN
Percent Solids: 89%

Date Collected: 12/28/11 12:43
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	28	2.3	1
1,1-Dichloroethane	ND		ug/kg	4.2	0.83	1
Chloroform	ND		ug/kg	4.2	0.91	1
Carbon tetrachloride	ND		ug/kg	2.8	0.59	1
1,2-Dichloropropane	ND		ug/kg	9.8	0.72	1
Dibromochloromethane	ND		ug/kg	2.8	0.86	1
1,1,2-Trichloroethane	ND		ug/kg	4.2	1.1	1
Tetrachloroethene	ND		ug/kg	2.8	0.86	1
Chlorobenzene	ND		ug/kg	2.8	0.52	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	7.6		ug/kg	2.8	0.64	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	0.76	1
Bromodichloromethane	ND		ug/kg	2.8	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	0.84	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	0.75	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	11	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	0.67	1
Benzene	ND		ug/kg	2.8	0.83	1
Toluene	ND		ug/kg	4.2	0.68	1
Ethylbenzene	ND		ug/kg	2.8	0.62	1
Chloromethane	ND		ug/kg	14	2.2	1
Bromomethane	ND		ug/kg	5.6	1.8	1
Vinyl chloride	ND		ug/kg	5.6	2.1	1
Chloroethane	ND		ug/kg	5.6	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.8	0.73	1
trans-1,2-Dichloroethene	ND		ug/kg	4.2	1.1	1
Trichloroethene	ND		ug/kg	2.8	0.63	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-09 Date Collected: 12/28/11 12:43

Client ID: SB-5 (2-3) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.6	1.4	1
p/m-Xylene	ND		ug/kg	5.6	1.2	1
o-Xylene	ND		ug/kg	5.6	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	0.85	1
Dibromomethane	ND		ug/kg	28	1.2	1
Styrene	ND		ug/kg	5.6	2.0	1
Dichlorodifluoromethane	ND		ug/kg	28	1.1	1
Acetone	ND		ug/kg	28	9.1	1
Carbon disulfide	ND		ug/kg	28	1.0	1
2-Butanone	ND		ug/kg	28	11.	1
Vinyl acetate	ND		ug/kg	28	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	28	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	28	1.1	1
2-Hexanone	ND		ug/kg	28	1.1	1
Bromochloromethane	ND		ug/kg	14	0.85	1
2,2-Dichloropropane	ND		ug/kg	14	2.2	1
1,2-Dibromoethane	ND		ug/kg	11	1.1	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	0.92	1
Bromobenzene	ND		ug/kg	14	0.62	1
n-Butylbenzene	ND		ug/kg	2.8	0.88	1
sec-Butylbenzene	ND		ug/kg	2.8	0.77	1
tert-Butylbenzene	ND		ug/kg	14	1.7	1
o-Chlorotoluene	ND		ug/kg	14	0.88	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.8	0.50	1
p-Isopropyltoluene	ND		ug/kg	2.8	0.77	1
Naphthalene	170		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	28	1.0	1
n-Propylbenzene	ND		ug/kg	2.8	0.80	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.6	1
1,4-Diethylbenzene	ND		ug/kg	11	0.56	1
4-Ethyltoluene	ND		ug/kg	11	0.27	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	0.51	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-09 Date Collected: 12/28/11 12:43

Client ID: SB-5 (2-3) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.2	1

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

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-10 D
Client ID: SB-5 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 01/05/12 15:39
Analyst: BN
Percent Solids: 81%

Date Collected: 12/28/11 12:50
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	1200	100	40
1,1-Dichloroethane	ND		ug/kg	180	36.	40
Chloroform	ND		ug/kg	180	40.	40
Carbon tetrachloride	ND		ug/kg	120	26.	40
1,2-Dichloropropane	ND		ug/kg	430	31.	40
Dibromochloromethane	ND		ug/kg	120	38.	40
1,1,2-Trichloroethane	ND		ug/kg	180	48.	40
Tetrachloroethene	ND		ug/kg	120	38.	40
Chlorobenzene	ND		ug/kg	120	23.	40
Trichlorofluoromethane	ND		ug/kg	620	48.	40
1,2-Dichloroethane	ND		ug/kg	120	28.	40
1,1,1-Trichloroethane	ND		ug/kg	120	33.	40
Bromodichloromethane	ND		ug/kg	120	48.	40
trans-1,3-Dichloropropene	ND		ug/kg	120	37.	40
cis-1,3-Dichloropropene	ND		ug/kg	120	33.	40
1,1-Dichloropropene	ND		ug/kg	620	56.	40
Bromoform	ND		ug/kg	490	61.	40
1,1,2,2-Tetrachloroethane	ND		ug/kg	120	30.	40
Benzene	ND		ug/kg	120	37.	40
Toluene	ND		ug/kg	180	30.	40
Ethylbenzene	ND		ug/kg	120	27.	40
Chloromethane	ND		ug/kg	620	97.	40
Bromomethane	ND		ug/kg	250	80.	40
Vinyl chloride	ND		ug/kg	250	93.	40
Chloroethane	ND		ug/kg	250	54.	40
1,1-Dichloroethene	ND		ug/kg	120	32.	40
trans-1,2-Dichloroethene	ND		ug/kg	180	48.	40
Trichloroethene	ND		ug/kg	120	28.	40
1,2-Dichlorobenzene	ND		ug/kg	620	45.	40
1,3-Dichlorobenzene	ND		ug/kg	620	49.	40
1,4-Dichlorobenzene	ND		ug/kg	620	52.	40

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-10 D Date Collected: 12/28/11 12:50

Client ID: SB-5 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	250	60.	40
p/m-Xylene	ND		ug/kg	250	53.	40
o-Xylene	ND		ug/kg	250	52.	40
cis-1,2-Dichloroethene	ND		ug/kg	120	37.	40
Dibromomethane	ND		ug/kg	1200	54.	40
Styrene	ND		ug/kg	250	90.	40
Dichlorodifluoromethane	ND		ug/kg	1200	48.	40
Acetone	ND		ug/kg	1200	400	40
Carbon disulfide	ND		ug/kg	1200	46.	40
2-Butanone	ND		ug/kg	1200	480	40
Vinyl acetate	ND		ug/kg	1200	93.	40
4-Methyl-2-pentanone	ND		ug/kg	1200	100	40
1,2,3-Trichloropropane	ND		ug/kg	1200	48.	40
2-Hexanone	ND		ug/kg	1200	49.	40
Bromochloromethane	ND		ug/kg	620	37.	40
2,2-Dichloropropane	ND		ug/kg	620	98.	40
1,2-Dibromoethane	ND		ug/kg	490	50.	40
1,3-Dichloropropane	ND		ug/kg	620	70.	40
1,1,1,2-Tetrachloroethane	ND		ug/kg	120	40.	40
Bromobenzene	ND		ug/kg	620	27.	40
n-Butylbenzene	170		ug/kg	120	39.	40
sec-Butylbenzene	170		ug/kg	120	34.	40
tert-Butylbenzene	ND		ug/kg	620	74.	40
o-Chlorotoluene	ND		ug/kg	620	39.	40
p-Chlorotoluene	ND		ug/kg	620	44.	40
1,2-Dibromo-3-chloropropane	ND		ug/kg	620	100	40
Hexachlorobutadiene	ND		ug/kg	620	56.	40
Isopropylbenzene	170		ug/kg	120	22.	40
p-Isopropyltoluene	ND		ug/kg	120	34.	40
Naphthalene	ND		ug/kg	620	95.	40
Acrylonitrile	ND		ug/kg	1200	46.	40
n-Propylbenzene	790		ug/kg	120	35.	40
1,2,3-Trichlorobenzene	ND		ug/kg	620	50.	40
1,2,4-Trichlorobenzene	ND		ug/kg	620	98.	40
1,3,5-Trimethylbenzene	ND		ug/kg	620	74.	40
1,2,4-Trimethylbenzene	ND		ug/kg	620	71.	40
1,4-Diethylbenzene	420	J	ug/kg	490	25.	40
4-Ethyltoluene	ND		ug/kg	490	12.	40
1,2,4,5-Tetramethylbenzene	2100		ug/kg	490	22.	40

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-10 D Date Collected: 12/28/11 12:50

Client ID: SB-5 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	620	47.	40
trans-1,4-Dichloro-2-butene	ND		ug/kg	620	180	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	91		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-11
Client ID: SB-6 (1-2)
Sample Location: 547 10TH AVE.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 01/05/12 16:07
Analyst: BN
Percent Solids: 89%

Date Collected: 12/28/11 13:45
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	28	2.3	1
1,1-Dichloroethane	ND		ug/kg	4.2	0.83	1
Chloroform	ND		ug/kg	4.2	0.91	1
Carbon tetrachloride	ND		ug/kg	2.8	0.59	1
1,2-Dichloropropane	ND		ug/kg	9.8	0.72	1
Dibromochloromethane	ND		ug/kg	2.8	0.86	1
1,1,2-Trichloroethane	ND		ug/kg	4.2	1.1	1
Tetrachloroethene	ND		ug/kg	2.8	0.86	1
Chlorobenzene	ND		ug/kg	2.8	0.52	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.8	0.64	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	0.76	1
Bromodichloromethane	ND		ug/kg	2.8	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	0.84	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	0.75	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	11	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	0.67	1
Benzene	ND		ug/kg	2.8	0.83	1
Toluene	3.8	J	ug/kg	4.2	0.68	1
Ethylbenzene	ND		ug/kg	2.8	0.62	1
Chloromethane	ND		ug/kg	14	2.2	1
Bromomethane	ND		ug/kg	5.6	1.8	1
Vinyl chloride	ND		ug/kg	5.6	2.1	1
Chloroethane	ND		ug/kg	5.6	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.8	0.73	1
trans-1,2-Dichloroethene	ND		ug/kg	4.2	1.1	1
Trichloroethene	ND		ug/kg	2.8	0.63	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-11 Date Collected: 12/28/11 13:45

Client ID: SB-6 (1-2) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.6	1.4	1
p/m-Xylene	ND		ug/kg	5.6	1.2	1
o-Xylene	ND		ug/kg	5.6	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	0.85	1
Dibromomethane	ND		ug/kg	28	1.2	1
Styrene	ND		ug/kg	5.6	2.0	1
Dichlorodifluoromethane	ND		ug/kg	28	1.1	1
Acetone	ND		ug/kg	28	9.1	1
Carbon disulfide	ND		ug/kg	28	1.0	1
2-Butanone	ND		ug/kg	28	11.	1
Vinyl acetate	ND		ug/kg	28	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	28	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	28	1.1	1
2-Hexanone	ND		ug/kg	28	1.1	1
Bromochloromethane	ND		ug/kg	14	0.85	1
2,2-Dichloropropane	ND		ug/kg	14	2.2	1
1,2-Dibromoethane	ND		ug/kg	11	1.1	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	0.92	1
Bromobenzene	ND		ug/kg	14	0.62	1
n-Butylbenzene	ND		ug/kg	2.8	0.88	1
sec-Butylbenzene	ND		ug/kg	2.8	0.77	1
tert-Butylbenzene	ND		ug/kg	14	1.7	1
o-Chlorotoluene	ND		ug/kg	14	0.88	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.8	0.50	1
p-Isopropyltoluene	ND		ug/kg	2.8	0.77	1
Naphthalene	ND		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	28	1.0	1
n-Propylbenzene	ND		ug/kg	2.8	0.80	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.6	1
1,4-Diethylbenzene	ND		ug/kg	11	0.56	1
4-Ethyltoluene	ND		ug/kg	11	0.27	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	0.51	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-11 Date Collected: 12/28/11 13:45

Client ID: SB-6 (1-2) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-12
Client ID: SB-6 (13-14)
Sample Location: 547 10TH AVE.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 01/05/12 16:35
Analyst: BN
Percent Solids: 86%

Date Collected: 12/28/11 13:50
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.86	1
Chloroform	ND		ug/kg	4.4	0.94	1
Carbon tetrachloride	ND		ug/kg	2.9	0.61	1
1,2-Dichloropropane	ND		ug/kg	10	0.74	1
Dibromochloromethane	ND		ug/kg	2.9	0.89	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.1	1
Tetrachloroethene	ND		ug/kg	2.9	0.89	1
Chlorobenzene	ND		ug/kg	2.9	0.54	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	8.6		ug/kg	2.9	0.66	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.78	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.87	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.70	1
Benzene	ND		ug/kg	2.9	0.86	1
Toluene	ND		ug/kg	4.4	0.70	1
Ethylbenzene	ND		ug/kg	2.9	0.64	1
Chloromethane	ND		ug/kg	14	2.3	1
Bromomethane	ND		ug/kg	5.8	1.9	1
Vinyl chloride	ND		ug/kg	5.8	2.2	1
Chloroethane	ND		ug/kg	5.8	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.1	1
Trichloroethene	ND		ug/kg	2.9	0.65	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-12 Date Collected: 12/28/11 13:50

Client ID: SB-6 (13-14) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.8	1.4	1
p/m-Xylene	ND		ug/kg	5.8	1.2	1
o-Xylene	ND		ug/kg	5.8	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.88	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.8	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.4	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	14	0.88	1
2,2-Dichloropropane	ND		ug/kg	14	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.95	1
Bromobenzene	ND		ug/kg	14	0.64	1
n-Butylbenzene	ND		ug/kg	2.9	0.91	1
sec-Butylbenzene	ND		ug/kg	2.9	0.80	1
tert-Butylbenzene	ND		ug/kg	14	1.8	1
o-Chlorotoluene	ND		ug/kg	14	0.91	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.51	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.79	1
Naphthalene	ND		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.82	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,4-Diethylbenzene	ND		ug/kg	12	0.58	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-12 Date Collected: 12/28/11 13:50

Client ID: SB-6 (13-14) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-13	Date Collected:	12/28/11 14:40
Client ID:	SB-7 (3-4)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	01/05/12 17:03		
Analyst:	BN		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	26	2.2	1
1,1-Dichloroethane	ND		ug/kg	4.0	0.78	1
Chloroform	ND		ug/kg	4.0	0.86	1
Carbon tetrachloride	ND		ug/kg	2.6	0.56	1
1,2-Dichloropropane	ND		ug/kg	9.3	0.68	1
Dibromochloromethane	ND		ug/kg	2.6	0.82	1
1,1,2-Trichloroethane	ND		ug/kg	4.0	1.0	1
Tetrachloroethene	ND		ug/kg	2.6	0.81	1
Chlorobenzene	ND		ug/kg	2.6	0.50	1
Trichlorofluoromethane	ND		ug/kg	13	1.0	1
1,2-Dichloroethane	3.4		ug/kg	2.6	0.60	1
1,1,1-Trichloroethane	ND		ug/kg	2.6	0.72	1
Bromodichloromethane	ND		ug/kg	2.6	1.0	1
trans-1,3-Dichloropropene	ND		ug/kg	2.6	0.80	1
cis-1,3-Dichloropropene	ND		ug/kg	2.6	0.71	1
1,1-Dichloropropene	ND		ug/kg	13	1.2	1
Bromoform	ND		ug/kg	11	1.3	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	0.64	1
Benzene	ND		ug/kg	2.6	0.79	1
Toluene	ND		ug/kg	4.0	0.64	1
Ethylbenzene	ND		ug/kg	2.6	0.59	1
Chloromethane	ND		ug/kg	13	2.1	1
Bromomethane	ND		ug/kg	5.3	1.7	1
Vinyl chloride	ND		ug/kg	5.3	2.0	1
Chloroethane	ND		ug/kg	5.3	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.6	0.69	1
trans-1,2-Dichloroethene	ND		ug/kg	4.0	1.0	1
Trichloroethene	ND		ug/kg	2.6	0.60	1
1,2-Dichlorobenzene	ND		ug/kg	13	0.97	1
1,3-Dichlorobenzene	ND		ug/kg	13	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	13	1.1	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-13 Date Collected: 12/28/11 14:40

Client ID: SB-7 (3-4) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.3	1.3	1
p/m-Xylene	3.5	J	ug/kg	5.3	1.1	1
o-Xylene	8.8		ug/kg	5.3	1.1	1
cis-1,2-Dichloroethene	ND		ug/kg	2.6	0.80	1
Dibromomethane	ND		ug/kg	26	1.2	1
Styrene	ND		ug/kg	5.3	1.9	1
Dichlorodifluoromethane	ND		ug/kg	26	1.0	1
Acetone	ND		ug/kg	26	8.6	1
Carbon disulfide	ND		ug/kg	26	1.0	1
2-Butanone	ND		ug/kg	26	10.	1
Vinyl acetate	ND		ug/kg	26	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	26	2.2	1
1,2,3-Trichloropropane	ND		ug/kg	26	1.0	1
2-Hexanone	ND		ug/kg	26	1.0	1
Bromochloromethane	ND		ug/kg	13	0.80	1
2,2-Dichloropropane	ND		ug/kg	13	2.1	1
1,2-Dibromoethane	ND		ug/kg	11	1.1	1
1,3-Dichloropropane	ND		ug/kg	13	1.5	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.6	0.87	1
Bromobenzene	ND		ug/kg	13	0.58	1
n-Butylbenzene	ND		ug/kg	2.6	0.84	1
sec-Butylbenzene	ND		ug/kg	2.6	0.73	1
tert-Butylbenzene	ND		ug/kg	13	1.6	1
o-Chlorotoluene	ND		ug/kg	13	0.83	1
p-Chlorotoluene	ND		ug/kg	13	0.96	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	2.2	1
Hexachlorobutadiene	ND		ug/kg	13	1.2	1
Isopropylbenzene	ND		ug/kg	2.6	0.47	1
p-Isopropyltoluene	ND		ug/kg	2.6	0.73	1
Naphthalene	6.7	J	ug/kg	13	2.0	1
Acrylonitrile	ND		ug/kg	26	1.0	1
n-Propylbenzene	3.0		ug/kg	2.6	0.76	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	2.1	1
1,3,5-Trimethylbenzene	9.3	J	ug/kg	13	1.6	1
1,2,4-Trimethylbenzene	9.1	J	ug/kg	13	1.5	1
1,4-Diethylbenzene	ND		ug/kg	11	0.53	1
4-Ethyltoluene	4.8	J	ug/kg	11	0.26	1
1,2,4,5-Tetramethylbenzene	12		ug/kg	11	0.48	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-13 Date Collected: 12/28/11 14:40

Client ID: SB-7 (3-4) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	13	1.0	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	3.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-14
Client ID: SB-7 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 01/05/12 17:31
Analyst: BN
Percent Solids: 87%

Date Collected: 12/28/11 14:51
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	2.3	1
1,1-Dichloroethane	ND		ug/kg	4.3	0.85	1
Chloroform	ND		ug/kg	4.3	0.93	1
Carbon tetrachloride	ND		ug/kg	2.9	0.61	1
1,2-Dichloropropane	ND		ug/kg	10	0.73	1
Dibromochloromethane	ND		ug/kg	2.9	0.88	1
1,1,2-Trichloroethane	ND		ug/kg	4.3	1.1	1
Tetrachloroethene	ND		ug/kg	2.9	0.88	1
Chlorobenzene	ND		ug/kg	2.9	0.54	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	3.9		ug/kg	2.9	0.65	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.78	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.86	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.77	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	11	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.69	1
Benzene	ND		ug/kg	2.9	0.85	1
Toluene	ND		ug/kg	4.3	0.69	1
Ethylbenzene	ND		ug/kg	2.9	0.64	1
Chloromethane	ND		ug/kg	14	2.2	1
Bromomethane	ND		ug/kg	5.7	1.9	1
Vinyl chloride	ND		ug/kg	5.7	2.2	1
Chloroethane	ND		ug/kg	5.7	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.75	1
trans-1,2-Dichloroethene	ND		ug/kg	4.3	1.1	1
Trichloroethene	ND		ug/kg	2.9	0.64	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-14 Date Collected: 12/28/11 14:51

Client ID: SB-7 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.7	1.4	1
p/m-Xylene	ND		ug/kg	5.7	1.2	1
o-Xylene	ND		ug/kg	5.7	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.87	1
Dibromomethane	ND		ug/kg	29	1.2	1
Styrene	ND		ug/kg	5.7	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.3	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.1	1
Bromochloromethane	ND		ug/kg	14	0.87	1
2,2-Dichloropropane	ND		ug/kg	14	2.3	1
1,2-Dibromoethane	ND		ug/kg	11	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.94	1
Bromobenzene	ND		ug/kg	14	0.63	1
n-Butylbenzene	30		ug/kg	2.9	0.90	1
sec-Butylbenzene	16		ug/kg	2.9	0.79	1
tert-Butylbenzene	ND		ug/kg	14	1.7	1
o-Chlorotoluene	ND		ug/kg	14	0.90	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	6.2		ug/kg	2.9	0.51	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.78	1
Naphthalene	4.9	J	ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	40		ug/kg	2.9	0.82	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	2.4	J	ug/kg	14	1.6	1
1,4-Diethylbenzene	46		ug/kg	11	0.57	1
4-Ethyltoluene	1.0	J	ug/kg	11	0.28	1
1,2,4,5-Tetramethylbenzene	340		ug/kg	11	0.52	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-14 Date Collected: 12/28/11 14:51

Client ID: SB-7 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-15	Date Collected:	12/28/11 15:26
Client ID:	SB-8 (4-5)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	01/05/12 17:59		
Analyst:	BN		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	2.4	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.86	1
Chloroform	ND		ug/kg	4.4	0.94	1
Carbon tetrachloride	ND		ug/kg	2.9	0.61	1
1,2-Dichloropropane	ND		ug/kg	10	0.74	1
Dibromochloromethane	ND		ug/kg	2.9	0.89	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.1	1
Tetrachloroethene	ND		ug/kg	2.9	0.89	1
Chlorobenzene	ND		ug/kg	2.9	0.54	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	4.6		ug/kg	2.9	0.66	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.78	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.87	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.70	1
Benzene	ND		ug/kg	2.9	0.86	1
Toluene	ND		ug/kg	4.4	0.70	1
Ethylbenzene	ND		ug/kg	2.9	0.64	1
Chloromethane	ND		ug/kg	14	2.3	1
Bromomethane	ND		ug/kg	5.8	1.9	1
Vinyl chloride	ND		ug/kg	5.8	2.2	1
Chloroethane	ND		ug/kg	5.8	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.1	1
Trichloroethene	ND		ug/kg	2.9	0.65	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-15 Date Collected: 12/28/11 15:26

Client ID: SB-8 (4-5) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.8	1.4	1
p/m-Xylene	ND		ug/kg	5.8	1.2	1
o-Xylene	ND		ug/kg	5.8	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.88	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.8	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.4	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	14	0.88	1
2,2-Dichloropropane	ND		ug/kg	14	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.95	1
Bromobenzene	ND		ug/kg	14	0.64	1
n-Butylbenzene	ND		ug/kg	2.9	0.91	1
sec-Butylbenzene	ND		ug/kg	2.9	0.80	1
tert-Butylbenzene	ND		ug/kg	14	1.8	1
o-Chlorotoluene	ND		ug/kg	14	0.91	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.51	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.79	1
Naphthalene	ND		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.82	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,4-Diethylbenzene	ND		ug/kg	12	0.58	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-15 Date Collected: 12/28/11 15:26

Client ID: SB-8 (4-5) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-16	D	Date Collected:	12/28/11 15:32
Client ID:	SB-8 (14-15)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260B			
Analytical Date:	01/05/12 18:27			
Analyst:	BN			
Percent Solids:	79%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	1300	100	40
1,1-Dichloroethane	ND		ug/kg	190	37.	40
Chloroform	ND		ug/kg	190	41.	40
Carbon tetrachloride	ND		ug/kg	130	27.	40
1,2-Dichloropropane	ND		ug/kg	440	32.	40
Dibromochloromethane	ND		ug/kg	130	39.	40
1,1,2-Trichloroethane	ND		ug/kg	190	50.	40
Tetrachloroethene	ND		ug/kg	130	39.	40
Chlorobenzene	ND		ug/kg	130	24.	40
Trichlorofluoromethane	ND		ug/kg	630	50.	40
1,2-Dichloroethane	ND		ug/kg	130	29.	40
1,1,1-Trichloroethane	ND		ug/kg	130	34.	40
Bromodichloromethane	ND		ug/kg	130	49.	40
trans-1,3-Dichloropropene	ND		ug/kg	130	38.	40
cis-1,3-Dichloropropene	ND		ug/kg	130	34.	40
1,1-Dichloropropene	ND		ug/kg	630	58.	40
Bromoform	ND		ug/kg	510	63.	40
1,1,2,2-Tetrachloroethane	ND		ug/kg	130	30.	40
Benzene	ND		ug/kg	130	38.	40
Toluene	ND		ug/kg	190	30.	40
Ethylbenzene	ND		ug/kg	130	28.	40
Chloromethane	ND		ug/kg	630	99.	40
Bromomethane	ND		ug/kg	250	82.	40
Vinyl chloride	ND		ug/kg	250	95.	40
Chloroethane	ND		ug/kg	250	55.	40
1,1-Dichloroethene	ND		ug/kg	130	33.	40
trans-1,2-Dichloroethene	ND		ug/kg	190	50.	40
Trichloroethene	ND		ug/kg	130	28.	40
1,2-Dichlorobenzene	ND		ug/kg	630	46.	40
1,3-Dichlorobenzene	ND		ug/kg	630	50.	40
1,4-Dichlorobenzene	ND		ug/kg	630	53.	40

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-16 D Date Collected: 12/28/11 15:32

Client ID: SB-8 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	250	62.	40
p/m-Xylene	ND		ug/kg	250	54.	40
o-Xylene	ND		ug/kg	250	53.	40
cis-1,2-Dichloroethene	ND		ug/kg	130	38.	40
Dibromomethane	ND		ug/kg	1300	55.	40
Styrene	ND		ug/kg	250	92.	40
Dichlorodifluoromethane	ND		ug/kg	1300	49.	40
Acetone	ND		ug/kg	1300	410	40
Carbon disulfide	ND		ug/kg	1300	48.	40
2-Butanone	ND		ug/kg	1300	490	40
Vinyl acetate	ND		ug/kg	1300	95.	40
4-Methyl-2-pentanone	ND		ug/kg	1300	100	40
1,2,3-Trichloropropane	ND		ug/kg	1300	49.	40
2-Hexanone	ND		ug/kg	1300	50.	40
Bromochloromethane	ND		ug/kg	630	38.	40
2,2-Dichloropropane	ND		ug/kg	630	100	40
1,2-Dibromoethane	ND		ug/kg	510	52.	40
1,3-Dichloropropane	ND		ug/kg	630	72.	40
1,1,1,2-Tetrachloroethane	ND		ug/kg	130	42.	40
Bromobenzene	ND		ug/kg	630	28.	40
n-Butylbenzene	590		ug/kg	130	40.	40
sec-Butylbenzene	170		ug/kg	130	35.	40
tert-Butylbenzene	ND		ug/kg	630	76.	40
o-Chlorotoluene	ND		ug/kg	630	40.	40
p-Chlorotoluene	ND		ug/kg	630	46.	40
1,2-Dibromo-3-chloropropane	ND		ug/kg	630	100	40
Hexachlorobutadiene	ND		ug/kg	630	58.	40
Isopropylbenzene	ND		ug/kg	130	22.	40
p-Isopropyltoluene	ND		ug/kg	130	34.	40
Naphthalene	ND		ug/kg	630	97.	40
Acrylonitrile	ND		ug/kg	1300	48.	40
n-Propylbenzene	330		ug/kg	130	36.	40
1,2,3-Trichlorobenzene	ND		ug/kg	630	51.	40
1,2,4-Trichlorobenzene	ND		ug/kg	630	100	40
1,3,5-Trimethylbenzene	ND		ug/kg	630	76.	40
1,2,4-Trimethylbenzene	ND		ug/kg	630	72.	40
1,4-Diethylbenzene	540		ug/kg	510	25.	40
4-Ethyltoluene	ND		ug/kg	510	12.	40
1,2,4,5-Tetramethylbenzene	5400		ug/kg	510	23.	40

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-16 D Date Collected: 12/28/11 15:32

Client ID: SB-8 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	630	48.	40
trans-1,4-Dichloro-2-butene	ND		ug/kg	630	190	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	91		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-17
Client ID: SB-9 (3-4)
Sample Location: 547 10TH AVE.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 01/05/12 18:55
Analyst: BN
Percent Solids: 88%

Date Collected: 12/28/11 15:55
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	28	2.3	1
1,1-Dichloroethane	ND		ug/kg	4.3	0.84	1
Chloroform	ND		ug/kg	4.3	0.92	1
Carbon tetrachloride	ND		ug/kg	2.8	0.60	1
1,2-Dichloropropane	ND		ug/kg	9.9	0.72	1
Dibromochloromethane	ND		ug/kg	2.8	0.87	1
1,1,2-Trichloroethane	ND		ug/kg	4.3	1.1	1
Tetrachloroethene	ND		ug/kg	2.8	0.87	1
Chlorobenzene	ND		ug/kg	2.8	0.53	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	5.2		ug/kg	2.8	0.65	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	0.77	1
Bromodichloromethane	ND		ug/kg	2.8	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	0.85	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	0.76	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	11	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	0.68	1
Benzene	ND		ug/kg	2.8	0.84	1
Toluene	ND		ug/kg	4.3	0.69	1
Ethylbenzene	ND		ug/kg	2.8	0.63	1
Chloromethane	ND		ug/kg	14	2.2	1
Bromomethane	ND		ug/kg	5.7	1.8	1
Vinyl chloride	ND		ug/kg	5.7	2.1	1
Chloroethane	ND		ug/kg	5.7	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.8	0.74	1
trans-1,2-Dichloroethene	ND		ug/kg	4.3	1.1	1
Trichloroethene	ND		ug/kg	2.8	0.64	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-17 Date Collected: 12/28/11 15:55

Client ID: SB-9 (3-4) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.7	1.4	1
p/m-Xylene	ND		ug/kg	5.7	1.2	1
o-Xylene	ND		ug/kg	5.7	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	0.86	1
Dibromomethane	ND		ug/kg	28	1.2	1
Styrene	ND		ug/kg	5.7	2.1	1
Dichlorodifluoromethane	ND		ug/kg	28	1.1	1
Acetone	ND		ug/kg	28	9.2	1
Carbon disulfide	ND		ug/kg	28	1.1	1
2-Butanone	ND		ug/kg	28	11.	1
Vinyl acetate	ND		ug/kg	28	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	28	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	28	1.1	1
2-Hexanone	ND		ug/kg	28	1.1	1
Bromochloromethane	ND		ug/kg	14	0.86	1
2,2-Dichloropropane	ND		ug/kg	14	2.2	1
1,2-Dibromoethane	ND		ug/kg	11	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	0.93	1
Bromobenzene	ND		ug/kg	14	0.62	1
n-Butylbenzene	ND		ug/kg	2.8	0.89	1
sec-Butylbenzene	ND		ug/kg	2.8	0.78	1
tert-Butylbenzene	ND		ug/kg	14	1.7	1
o-Chlorotoluene	ND		ug/kg	14	0.89	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.8	0.50	1
p-Isopropyltoluene	ND		ug/kg	2.8	0.78	1
Naphthalene	ND		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	28	1.1	1
n-Propylbenzene	ND		ug/kg	2.8	0.81	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.6	1
1,4-Diethylbenzene	ND		ug/kg	11	0.57	1
4-Ethyltoluene	ND		ug/kg	11	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	0.51	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-17 Date Collected: 12/28/11 15:55

Client ID: SB-9 (3-4) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.2	1

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

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-18 D
Client ID: SB-9 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 01/05/12 19:24
Analyst: BN
Percent Solids: 85%

Date Collected: 12/28/11 16:03
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	1200	96.	40
1,1-Dichloroethane	ND		ug/kg	180	35.	40
Chloroform	ND		ug/kg	180	38.	40
Carbon tetrachloride	ND		ug/kg	120	25.	40
1,2-Dichloropropane	ND		ug/kg	410	30.	40
Dibromochloromethane	ND		ug/kg	120	36.	40
1,1,2-Trichloroethane	ND		ug/kg	180	46.	40
Tetrachloroethene	ND		ug/kg	120	36.	40
Chlorobenzene	ND		ug/kg	120	22.	40
Trichlorofluoromethane	ND		ug/kg	590	46.	40
1,2-Dichloroethane	ND		ug/kg	120	27.	40
1,1,1-Trichloroethane	ND		ug/kg	120	32.	40
Bromodichloromethane	ND		ug/kg	120	45.	40
trans-1,3-Dichloropropene	ND		ug/kg	120	35.	40
cis-1,3-Dichloropropene	ND		ug/kg	120	31.	40
1,1-Dichloropropene	ND		ug/kg	590	54.	40
Bromoform	ND		ug/kg	470	58.	40
1,1,2,2-Tetrachloroethane	ND		ug/kg	120	28.	40
Benzene	ND		ug/kg	120	35.	40
Toluene	ND		ug/kg	180	28.	40
Ethylbenzene	ND		ug/kg	120	26.	40
Chloromethane	ND		ug/kg	590	92.	40
Bromomethane	ND		ug/kg	240	76.	40
Vinyl chloride	ND		ug/kg	240	89.	40
Chloroethane	ND		ug/kg	240	52.	40
1,1-Dichloroethene	ND		ug/kg	120	30.	40
trans-1,2-Dichloroethene	ND		ug/kg	180	46.	40
Trichloroethene	ND		ug/kg	120	26.	40
1,2-Dichlorobenzene	ND		ug/kg	590	43.	40
1,3-Dichlorobenzene	ND		ug/kg	590	47.	40
1,4-Dichlorobenzene	ND		ug/kg	590	49.	40

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-18 D Date Collected: 12/28/11 16:03

Client ID: SB-9 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	240	57.	40
p/m-Xylene	ND		ug/kg	240	50.	40
o-Xylene	ND		ug/kg	240	49.	40
cis-1,2-Dichloroethene	ND		ug/kg	120	35.	40
Dibromomethane	ND		ug/kg	1200	51.	40
Styrene	ND		ug/kg	240	85.	40
Dichlorodifluoromethane	ND		ug/kg	1200	46.	40
Acetone	ND		ug/kg	1200	380	40
Carbon disulfide	ND		ug/kg	1200	44.	40
2-Butanone	ND		ug/kg	1200	460	40
Vinyl acetate	ND		ug/kg	1200	88.	40
4-Methyl-2-pentanone	ND		ug/kg	1200	96.	40
1,2,3-Trichloropropane	ND		ug/kg	1200	46.	40
2-Hexanone	ND		ug/kg	1200	47.	40
Bromochloromethane	ND		ug/kg	590	36.	40
2,2-Dichloropropane	ND		ug/kg	590	94.	40
1,2-Dibromoethane	ND		ug/kg	470	48.	40
1,3-Dichloropropane	ND		ug/kg	590	66.	40
1,1,1,2-Tetrachloroethane	ND		ug/kg	120	39.	40
Bromobenzene	ND		ug/kg	590	26.	40
n-Butylbenzene	ND		ug/kg	120	37.	40
sec-Butylbenzene	ND		ug/kg	120	32.	40
tert-Butylbenzene	ND		ug/kg	590	71.	40
o-Chlorotoluene	ND		ug/kg	590	37.	40
p-Chlorotoluene	ND		ug/kg	590	42.	40
1,2-Dibromo-3-chloropropane	ND		ug/kg	590	98.	40
Hexachlorobutadiene	ND		ug/kg	590	54.	40
Isopropylbenzene	ND		ug/kg	120	21.	40
p-Isopropyltoluene	ND		ug/kg	120	32.	40
Naphthalene	ND		ug/kg	590	90.	40
Acrylonitrile	ND		ug/kg	1200	44.	40
n-Propylbenzene	ND		ug/kg	120	33.	40
1,2,3-Trichlorobenzene	ND		ug/kg	590	47.	40
1,2,4-Trichlorobenzene	ND		ug/kg	590	93.	40
1,3,5-Trimethylbenzene	ND		ug/kg	590	71.	40
1,2,4-Trimethylbenzene	500	J	ug/kg	590	67.	40
1,4-Diethylbenzene	ND		ug/kg	470	24.	40
4-Ethyltoluene	41	J	ug/kg	470	11.	40
1,2,4,5-Tetramethylbenzene	250	J	ug/kg	470	21.	40

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-18 D Date Collected: 12/28/11 16:03

Client ID: SB-9 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	590	45.	40
trans-1,4-Dichloro-2-butene	ND		ug/kg	590	170	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	91		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-19
Client ID: SB-10 (11-12)
Sample Location: 547 10TH AVE.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 01/05/12 19:52
Analyst: BN
Percent Solids: 86%

Date Collected: 12/29/11 11:31
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	2.9	0.86	1
Toluene	ND		ug/kg	4.4	0.70	1
Ethylbenzene	ND		ug/kg	2.9	0.64	1
Methyl tert butyl ether	ND		ug/kg	5.8	1.4	1
p/m-Xylene	ND		ug/kg	5.8	1.2	1
o-Xylene	ND		ug/kg	5.8	1.2	1
n-Butylbenzene	ND		ug/kg	2.9	0.91	1
sec-Butylbenzene	ND		ug/kg	2.9	0.80	1
tert-Butylbenzene	ND		ug/kg	14	1.8	1
Isopropylbenzene	ND		ug/kg	2.9	0.51	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.79	1
Naphthalene	4.1	J	ug/kg	14	2.2	1
n-Propylbenzene	ND		ug/kg	2.9	0.82	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-20	D	Date Collected:	12/29/11 11:35
Client ID:	SB-11 (14-15)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260B			
Analytical Date:	01/05/12 20:20			
Analyst:	BN			
Percent Solids:	83%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	120	36.	40
Toluene	ND		ug/kg	180	29.	40
Ethylbenzene	ND		ug/kg	120	27.	40
Methyl tert butyl ether	ND		ug/kg	240	59.	40
p/m-Xylene	100	J	ug/kg	240	52.	40
o-Xylene	ND		ug/kg	240	50.	40
n-Butylbenzene	3400		ug/kg	120	38.	40
sec-Butylbenzene	2000		ug/kg	120	33.	40
tert-Butylbenzene	160	J	ug/kg	600	73.	40
Isopropylbenzene	2300		ug/kg	120	21.	40
p-Isopropyltoluene	150		ug/kg	120	33.	40
Naphthalene	4300		ug/kg	600	93.	40
n-Propylbenzene	6100		ug/kg	120	34.	40
1,3,5-Trimethylbenzene	ND		ug/kg	600	72.	40
1,2,4-Trimethylbenzene	ND		ug/kg	600	69.	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	91		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-21	D	Date Collected:	12/29/11 12:46
Client ID:	SB-11A (14-15)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260B			
Analytical Date:	01/05/12 15:39			
Analyst:	BN			
Percent Solids:	83%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	120	36.	40
Toluene	ND		ug/kg	180	29.	40
Ethylbenzene	ND		ug/kg	120	27.	40
Methyl tert butyl ether	ND		ug/kg	240	59.	40
p/m-Xylene	ND		ug/kg	240	52.	40
o-Xylene	ND		ug/kg	240	50.	40
n-Butylbenzene	180		ug/kg	120	38.	40
sec-Butylbenzene	780		ug/kg	120	33.	40
tert-Butylbenzene	160	J	ug/kg	600	73.	40
Isopropylbenzene	430		ug/kg	120	21.	40
p-Isopropyltoluene	ND		ug/kg	120	33.	40
Naphthalene	ND		ug/kg	600	93.	40
n-Propylbenzene	490		ug/kg	120	34.	40
1,3,5-Trimethylbenzene	ND		ug/kg	600	72.	40
1,2,4-Trimethylbenzene	ND		ug/kg	600	69.	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	124		70-130
Dibromofluoromethane	98		70-130

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-22
Client ID: SB-12 (11-12)
Sample Location: 547 10TH AVE.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 01/05/12 16:06
Analyst: BN
Percent Solids: 86%

Date Collected: 12/29/11 11:40
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	2.9	0.86	1
Toluene	ND		ug/kg	4.4	0.70	1
Ethylbenzene	ND		ug/kg	2.9	0.64	1
Methyl tert butyl ether	ND		ug/kg	5.8	1.4	1
p/m-Xylene	ND		ug/kg	5.8	1.2	1
o-Xylene	ND		ug/kg	5.8	1.2	1
n-Butylbenzene	ND		ug/kg	2.9	0.91	1
sec-Butylbenzene	ND		ug/kg	2.9	0.80	1
tert-Butylbenzene	ND		ug/kg	14	1.8	1
Isopropylbenzene	ND		ug/kg	2.9	0.51	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.79	1
Naphthalene	ND		ug/kg	14	2.2	1
n-Propylbenzene	ND		ug/kg	2.9	0.82	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	102		70-130

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-23 D
Client ID: SB-13 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 01/05/12 16:34
Analyst: BN
Percent Solids: 86%

Date Collected: 12/29/11 11:47
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	120	34.	40
Toluene	ND		ug/kg	170	28.	40
Ethylbenzene	ND		ug/kg	120	26.	40
Methyl tert butyl ether	ND		ug/kg	230	57.	40
p/m-Xylene	ND		ug/kg	230	50.	40
o-Xylene	ND		ug/kg	230	48.	40
n-Butylbenzene	ND		ug/kg	120	36.	40
sec-Butylbenzene	ND		ug/kg	120	32.	40
tert-Butylbenzene	ND		ug/kg	580	70.	40
Isopropylbenzene	ND		ug/kg	120	20.	40
p-Isopropyltoluene	ND		ug/kg	120	32.	40
Naphthalene	ND		ug/kg	580	89.	40
n-Propylbenzene	ND		ug/kg	120	33.	40
1,3,5-Trimethylbenzene	ND		ug/kg	580	70.	40
1,2,4-Trimethylbenzene	ND		ug/kg	580	67.	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-24
Client ID: TW-1
Sample Location: 547 10TH AVE.
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 01/04/12 11:54
Analyst: PD

Date Collected: 12/28/11 10:25
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	ND		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-24 Date Collected: 12/28/11 10:25

Client ID: TW-1 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-24 Date Collected: 12/28/11 10:25

Client ID: TW-1 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	104		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-25
Client ID: TW-2
Sample Location: 547 10TH AVE.
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 01/04/12 12:28
Analyst: PD

Date Collected: 12/28/11 11:07
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	ND		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	0.42	J	ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-25 Date Collected: 12/28/11 11:07

Client ID: TW-2 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	0.60	J	ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	3.4	J	ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	0.33	J	ug/l	2.5	0.27	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-25 Date Collected: 12/28/11 11:07

Client ID: TW-2 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-26
Client ID: TW-4
Sample Location: 547 10TH AVE.
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 01/04/12 13:03
Analyst: PD

Date Collected: 12/28/11 14:55
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	ND		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-26 Date Collected: 12/28/11 14:55

Client ID: TW-4 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	8.5		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	2.7	J	ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	0.36	J	ug/l	2.5	0.27	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-26 Date Collected: 12/28/11 14:55

Client ID: TW-4 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	106		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-27	Date Collected:	12/29/11 09:39
Client ID:	TW-7	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	01/04/12 13:37		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	ND		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	11		ug/l	0.50	0.19	1
Toluene	0.73	J	ug/l	0.75	0.23	1
Ethylbenzene	3.5		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-27 Date Collected: 12/29/11 09:39

Client ID: TW-7 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	1.8		ug/l	1.0	0.16	1
p/m-Xylene	1.4		ug/l	1.0	0.35	1
o-Xylene	0.44	J	ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	2.6		ug/l	0.50	0.20	1
sec-Butylbenzene	1.9		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	5.1		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	0.87	J	ug/l	2.5	0.22	1
n-Propylbenzene	14		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	0.36	J	ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	1.6	J	ug/l	2.5	0.27	1
1,4-Diethylbenzene	4.7		ug/l	2.0	0.11	1
4-Ethyltoluene	0.82	J	ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	30		ug/l	2.0	0.10	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-27 Date Collected: 12/29/11 09:39

Client ID: TW-7 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-28
Client ID: TW-8
Sample Location: 547 10TH AVE.
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 01/04/12 14:12
Analyst: PD

Date Collected: 12/29/11 11:39
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	ND		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	0.39	J	ug/l	0.50	0.19	1
Toluene	0.36	J	ug/l	0.75	0.23	1
Ethylbenzene	0.75		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-28 Date Collected: 12/29/11 11:39

Client ID: TW-8 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	16		ug/l	1.0	0.16	1
p/m-Xylene	1.0		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	18		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	3.0	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	0.44	J	ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	1.0		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	0.37	J	ug/l	2.5	0.22	1
n-Propylbenzene	2.9		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27	1
1,4-Diethylbenzene	0.83	J	ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	3.5		ug/l	2.0	0.10	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-28 Date Collected: 12/29/11 11:39

Client ID: TW-8 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-29 D
Client ID: TW-9
Sample Location: 547 10TH AVE.
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 01/04/12 17:04
Analyst: PD

Date Collected: 12/29/11 08:58
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	200	22.	400
1,1-Dichloroethane	ND		ug/l	30	8.6	400
Chloroform	13	J	ug/l	30	7.9	400
Carbon tetrachloride	ND		ug/l	20	6.6	400
1,2-Dichloropropane	ND		ug/l	70	12.	400
Dibromochloromethane	ND		ug/l	20	7.6	400
1,1,2-Trichloroethane	ND		ug/l	30	10.	400
Tetrachloroethene	ND		ug/l	20	7.2	400
Chlorobenzene	ND		ug/l	20	7.7	400
Trichlorofluoromethane	ND		ug/l	100	11.	400
1,2-Dichloroethane	ND		ug/l	20	6.4	400
1,1,1-Trichloroethane	ND		ug/l	20	6.3	400
Bromodichloromethane	ND		ug/l	20	7.7	400
trans-1,3-Dichloropropene	ND		ug/l	20	6.6	400
cis-1,3-Dichloropropene	ND		ug/l	20	5.7	400
1,1-Dichloropropene	ND		ug/l	100	10.	400
Bromoform	ND		ug/l	80	9.9	400
1,1,2,2-Tetrachloroethane	ND		ug/l	20	7.7	400
Benzene	280		ug/l	20	7.8	400
Toluene	95		ug/l	30	9.1	400
Ethylbenzene	1400		ug/l	20	11.	400
Chloromethane	ND		ug/l	100	11.	400
Bromomethane	ND		ug/l	40	10.	400
Vinyl chloride	ND		ug/l	40	9.0	400
Chloroethane	ND		ug/l	40	9.3	400
1,1-Dichloroethene	ND		ug/l	20	7.2	400
trans-1,2-Dichloroethene	ND		ug/l	30	8.4	400
Trichloroethene	ND		ug/l	20	7.0	400
1,2-Dichlorobenzene	ND		ug/l	100	7.3	400
1,3-Dichlorobenzene	ND		ug/l	100	7.4	400
1,4-Dichlorobenzene	ND		ug/l	100	8.6	400

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-29 D Date Collected: 12/29/11 08:58

Client ID: TW-9 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	40	6.4	400
p/m-Xylene	690		ug/l	40	14.	400
o-Xylene	41		ug/l	40	13.	400
cis-1,2-Dichloroethene	ND		ug/l	20	7.5	400
Dibromomethane	ND		ug/l	200	14.	400
1,2,3-Trichloropropane	ND		ug/l	200	17.	400
Acrylonitrile	220		ug/l	200	17.	400
Styrene	ND		ug/l	40	14.	400
Dichlorodifluoromethane	ND		ug/l	200	12.	400
Acetone	ND		ug/l	200	62.	400
Carbon disulfide	ND		ug/l	200	12.	400
2-Butanone	ND		ug/l	200	78.	400
Vinyl acetate	ND		ug/l	200	12.	400
4-Methyl-2-pentanone	ND		ug/l	200	17.	400
2-Hexanone	ND		ug/l	200	23.	400
Bromochloromethane	ND		ug/l	100	13.	400
2,2-Dichloropropane	ND		ug/l	100	16.	400
1,2-Dibromoethane	ND		ug/l	80	7.7	400
1,3-Dichloropropane	ND		ug/l	100	8.5	400
1,1,1,2-Tetrachloroethane	ND		ug/l	20	6.6	400
Bromobenzene	ND		ug/l	100	7.3	400
n-Butylbenzene	42		ug/l	20	7.8	400
sec-Butylbenzene	ND		ug/l	20	7.2	400
tert-Butylbenzene	ND		ug/l	100	12.	400
o-Chlorotoluene	ND		ug/l	100	7.3	400
p-Chlorotoluene	ND		ug/l	100	7.4	400
1,2-Dibromo-3-chloropropane	ND		ug/l	100	13.	400
Hexachlorobutadiene	ND		ug/l	24	9.2	400
Isopropylbenzene	94		ug/l	20	7.5	400
p-Isopropyltoluene	ND		ug/l	20	7.5	400
Naphthalene	390		ug/l	100	8.7	400
n-Propylbenzene	240		ug/l	20	6.9	400
1,2,3-Trichlorobenzene	ND		ug/l	100	9.4	400
1,2,4-Trichlorobenzene	ND		ug/l	100	8.8	400
1,3,5-Trimethylbenzene	160		ug/l	100	8.4	400
1,2,4-Trimethylbenzene	160		ug/l	100	11.	400
1,4-Diethylbenzene	90		ug/l	80	4.3	400
4-Ethyltoluene	170		ug/l	80	17.	400
1,2,4,5-Tetramethylbenzene	87		ug/l	80	3.9	400

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-29 D Date Collected: 12/29/11 08:58

Client ID: TW-9 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	100	8.2	400
trans-1,4-Dichloro-2-butene	ND		ug/l	100	6.9	400

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	88		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-30
Client ID: TB-S
Sample Location: 547 10TH AVE.
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 01/06/12 09:27
Analyst: MM

Date Collected: 12/28/11 00:00
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	ND		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-30 Date Collected: 12/28/11 00:00

Client ID: TB-S Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-30 Date Collected: 12/28/11 00:00

Client ID: TB-S Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	108		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-31
Client ID: TB-W
Sample Location: 547 10TH AVE.
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 01/04/12 14:46
Analyst: PD

Date Collected: 12/28/11 00:00
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	ND		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-31 Date Collected: 12/28/11 00:00

Client ID: TB-W Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-31 Date Collected: 12/28/11 00:00

Client ID: TB-W Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-32 D
Client ID: MW-1
Sample Location: 547 10TH AVE.
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 01/04/12 17:39
Analyst: PD

Date Collected: 12/30/11 12:15
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	2.7	5
1,1-Dichloroethane	ND		ug/l	3.8	1.1	5
Chloroform	ND		ug/l	3.8	0.99	5
Carbon tetrachloride	ND		ug/l	2.5	0.83	5
1,2-Dichloropropane	ND		ug/l	8.8	1.5	5
Dibromochloromethane	ND		ug/l	2.5	0.95	5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.3	5
Tetrachloroethene	ND		ug/l	2.5	0.91	5
Chlorobenzene	ND		ug/l	2.5	0.96	5
Trichlorofluoromethane	ND		ug/l	12	1.3	5
1,2-Dichloroethane	ND		ug/l	2.5	0.80	5
1,1,1-Trichloroethane	ND		ug/l	2.5	0.79	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
1,1-Dichloropropene	ND		ug/l	12	1.3	5
Bromoform	ND		ug/l	10	1.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.96	5
Benzene	40		ug/l	2.5	0.97	5
Toluene	ND		ug/l	3.8	1.1	5
Ethylbenzene	11		ug/l	2.5	1.3	5
Chloromethane	ND		ug/l	12	1.4	5
Bromomethane	ND		ug/l	5.0	1.3	5
Vinyl chloride	ND		ug/l	5.0	1.1	5
Chloroethane	ND		ug/l	5.0	1.2	5
1,1-Dichloroethene	ND		ug/l	2.5	0.90	5
trans-1,2-Dichloroethene	ND		ug/l	3.8	1.0	5
Trichloroethene	2.3	J	ug/l	2.5	0.87	5
1,2-Dichlorobenzene	ND		ug/l	12	0.92	5
1,3-Dichlorobenzene	ND		ug/l	12	0.93	5
1,4-Dichlorobenzene	ND		ug/l	12	1.1	5

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-32 D Date Collected: 12/30/11 12:15

Client ID: MW-1 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	2.6	J	ug/l	5.0	0.80	5
p/m-Xylene	3.1	J	ug/l	5.0	1.7	5
o-Xylene	ND		ug/l	5.0	1.6	5
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.93	5
Dibromomethane	ND		ug/l	25	1.8	5
1,2,3-Trichloropropane	ND		ug/l	25	2.1	5
Acrylonitrile	ND		ug/l	25	2.1	5
Styrene	ND		ug/l	5.0	1.8	5
Dichlorodifluoromethane	ND		ug/l	25	1.5	5
Acetone	ND		ug/l	25	7.8	5
Carbon disulfide	ND		ug/l	25	1.5	5
2-Butanone	ND		ug/l	25	9.7	5
Vinyl acetate	ND		ug/l	25	1.6	5
4-Methyl-2-pentanone	ND		ug/l	25	2.1	5
2-Hexanone	ND		ug/l	25	2.9	5
Bromochloromethane	ND		ug/l	12	1.6	5
2,2-Dichloropropane	ND		ug/l	12	2.0	5
1,2-Dibromoethane	ND		ug/l	10	0.96	5
1,3-Dichloropropane	ND		ug/l	12	1.1	5
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.83	5
Bromobenzene	ND		ug/l	12	0.92	5
n-Butylbenzene	12		ug/l	2.5	0.98	5
sec-Butylbenzene	7.8		ug/l	2.5	0.90	5
tert-Butylbenzene	ND		ug/l	12	1.5	5
o-Chlorotoluene	ND		ug/l	12	0.91	5
p-Chlorotoluene	ND		ug/l	12	0.92	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	1.6	5
Hexachlorobutadiene	ND		ug/l	3.0	1.2	5
Isopropylbenzene	34		ug/l	2.5	0.94	5
p-Isopropyltoluene	ND		ug/l	2.5	0.94	5
Naphthalene	3.3	J	ug/l	12	1.1	5
n-Propylbenzene	93		ug/l	2.5	0.87	5
1,2,3-Trichlorobenzene	ND		ug/l	12	1.2	5
1,2,4-Trichlorobenzene	ND		ug/l	12	1.1	5
1,3,5-Trimethylbenzene	ND		ug/l	12	1.0	5
1,2,4-Trimethylbenzene	ND		ug/l	12	1.3	5
1,4-Diethylbenzene	22		ug/l	10	0.54	5
4-Ethyltoluene	ND		ug/l	10	2.1	5
1,2,4,5-Tetramethylbenzene	140		ug/l	10	0.48	5

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-32 D Date Collected: 12/30/11 12:15

Client ID: MW-1 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	12	1.0	5
trans-1,4-Dichloro-2-butene	ND		ug/l	12	0.87	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	92		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-33	Date Collected:	12/30/11 13:14
Client ID:	MW-2	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	01/04/12 15:21		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	0.49	J	ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	5.8		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21	1
Trichloroethene	2.4		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-33 Date Collected: 12/30/11 13:14

Client ID: MW-2 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	56		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	0.89		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	5.2		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	1.2		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27	1
1,4-Diethylbenzene	1.7	J	ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	13		ug/l	2.0	0.10	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-33 Date Collected: 12/30/11 13:14

Client ID: MW-2 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-34
Client ID: MW-3
Sample Location: 547 10TH AVE.
Matrix: Water
Analytical Method: 1,8260B
Analytical Date: 01/04/12 15:55
Analyst: PD

Date Collected: 12/30/11 13:56
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	ND		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	8.4		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	1.2		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21	1
Trichloroethene	3.1		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-34 Date Collected: 12/30/11 13:56

Client ID: MW-3 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	3.7		ug/l	1.0	0.16	1
p/m-Xylene	0.52	J	ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	2.3		ug/l	0.50	0.20	1
sec-Butylbenzene	5.7		ug/l	0.50	0.18	1
tert-Butylbenzene	0.65	J	ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	6.1		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	8.9		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	0.53	J	ug/l	2.5	0.27	1
1,4-Diethylbenzene	6.4		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	42		ug/l	2.0	0.10	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-34 Date Collected: 12/30/11 13:56

Client ID: MW-3 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-35	Date Collected:	12/30/11 14:40
Client ID:	MW-4	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260B		
Analytical Date:	01/04/12 16:30		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	ND		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	8.3		ug/l	0.50	0.19	1
Toluene	0.30	J	ug/l	0.75	0.23	1
Ethylbenzene	2.2		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21	1
Trichloroethene	0.66		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-35 Date Collected: 12/30/11 14:40

Client ID: MW-4 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	7.8		ug/l	1.0	0.16	1
p/m-Xylene	0.65	J	ug/l	1.0	0.35	1
o-Xylene	0.33	J	ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	2.6		ug/l	0.50	0.20	1
sec-Butylbenzene	2.7		ug/l	0.50	0.18	1
tert-Butylbenzene	0.59	J	ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	4.2		ug/l	0.50	0.19	1
p-Isopropyltoluene	0.49	J	ug/l	0.50	0.19	1
Naphthalene	0.90	J	ug/l	2.5	0.22	1
n-Propylbenzene	7.5		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	0.96	J	ug/l	2.5	0.27	1
1,4-Diethylbenzene	4.8		ug/l	2.0	0.11	1
4-Ethyltoluene	0.58	J	ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	25		ug/l	2.0	0.10	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-35 Date Collected: 12/30/11 14:40

Client ID: MW-4 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 01/04/12 09:35
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 24-29,31-35 Batch: WG511997-3					
Methylene chloride	ND		ug/l	5.0	0.54
1,1-Dichloroethane	ND		ug/l	0.75	0.22
Chloroform	ND		ug/l	0.75	0.20
Carbon tetrachloride	ND		ug/l	0.50	0.16
1,2-Dichloropropane	ND		ug/l	1.8	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	0.50	0.19
Trichlorofluoromethane	ND		ug/l	2.5	0.27
1,2-Dichloroethane	ND		ug/l	0.50	0.16
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.26
Bromoform	ND		ug/l	2.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	0.75	0.23
Ethylbenzene	ND		ug/l	0.50	0.26
Chloromethane	ND		ug/l	2.5	0.28
Bromomethane	ND		ug/l	1.0	0.26
Vinyl chloride	ND		ug/l	1.0	0.22
Chloroethane	ND		ug/l	1.0	0.23
1,1-Dichloroethene	ND		ug/l	0.50	0.18
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 01/04/12 09:35
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 24-29,31-35 Batch: WG511997-3					
Methyl tert butyl ether	ND		ug/l	1.0	0.16
p/m-Xylene	ND		ug/l	1.0	0.35
o-Xylene	ND		ug/l	1.0	0.33
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Dibromomethane	ND		ug/l	5.0	0.36
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43
Acrylonitrile	ND		ug/l	5.0	0.43
Styrene	ND		ug/l	1.0	0.36
Dichlorodifluoromethane	ND		ug/l	5.0	0.30
Acetone	ND		ug/l	5.0	1.6
Carbon disulfide	ND		ug/l	5.0	0.30
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	0.31
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
2-Hexanone	ND		ug/l	5.0	0.58
Bromochloromethane	ND		ug/l	2.5	0.33
2,2-Dichloropropane	ND		ug/l	2.5	0.40
1,2-Dibromoethane	ND		ug/l	2.0	0.19
1,3-Dichloropropane	ND		ug/l	2.5	0.21
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16
Bromobenzene	ND		ug/l	2.5	0.18
n-Butylbenzene	ND		ug/l	0.50	0.20
sec-Butylbenzene	ND		ug/l	0.50	0.18
tert-Butylbenzene	ND		ug/l	2.5	0.30
o-Chlorotoluene	ND		ug/l	2.5	0.18
p-Chlorotoluene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33
Hexachlorobutadiene	ND		ug/l	0.60	0.23
Isopropylbenzene	ND		ug/l	0.50	0.19
p-Isopropyltoluene	ND		ug/l	0.50	0.19
Naphthalene	ND		ug/l	2.5	0.22

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 01/04/12 09:35
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 24-29,31-35 Batch: WG511997-3					
n-Propylbenzene	ND		ug/l	0.50	0.17
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27
1,4-Diethylbenzene	ND		ug/l	2.0	0.11
4-Ethyltoluene	ND		ug/l	2.0	0.42
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10
Ethyl ether	ND		ug/l	2.5	0.20
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	101		70-130

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 01/05/12 10:59
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-20 Batch: WG512155-3					
Methylene chloride	3.4	J	ug/kg	25	2.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 01/05/12 10:59
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-20 Batch: WG512155-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 01/05/12 10:59
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-20 Batch: WG512155-3					
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 01/06/12 08:37
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 30 Batch: WG512424-3					
Methylene chloride	ND		ug/l	5.0	0.54
1,1-Dichloroethane	ND		ug/l	0.75	0.22
Chloroform	ND		ug/l	0.75	0.20
Carbon tetrachloride	ND		ug/l	0.50	0.16
1,2-Dichloropropane	ND		ug/l	1.8	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	0.50	0.19
Trichlorofluoromethane	ND		ug/l	2.5	0.27
1,2-Dichloroethane	ND		ug/l	0.50	0.16
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.26
Bromoform	ND		ug/l	2.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	0.75	0.23
Ethylbenzene	ND		ug/l	0.50	0.26
Chloromethane	ND		ug/l	2.5	0.28
Bromomethane	ND		ug/l	1.0	0.26
Vinyl chloride	ND		ug/l	1.0	0.22
Chloroethane	ND		ug/l	1.0	0.23
1,1-Dichloroethene	ND		ug/l	0.50	0.18
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 01/06/12 08:37
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 30 Batch: WG512424-3					
Methyl tert butyl ether	ND		ug/l	1.0	0.16
p/m-Xylene	ND		ug/l	1.0	0.35
o-Xylene	ND		ug/l	1.0	0.33
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Dibromomethane	ND		ug/l	5.0	0.36
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43
Acrylonitrile	ND		ug/l	5.0	0.43
Styrene	ND		ug/l	1.0	0.36
Dichlorodifluoromethane	ND		ug/l	5.0	0.30
Acetone	1.6	J	ug/l	5.0	1.6
Carbon disulfide	ND		ug/l	5.0	0.30
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	0.31
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
2-Hexanone	ND		ug/l	5.0	0.58
Bromochloromethane	ND		ug/l	2.5	0.33
2,2-Dichloropropane	ND		ug/l	2.5	0.40
1,2-Dibromoethane	ND		ug/l	2.0	0.19
1,3-Dichloropropane	ND		ug/l	2.5	0.21
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16
Bromobenzene	ND		ug/l	2.5	0.18
n-Butylbenzene	ND		ug/l	0.50	0.20
sec-Butylbenzene	ND		ug/l	0.50	0.18
tert-Butylbenzene	ND		ug/l	2.5	0.30
o-Chlorotoluene	ND		ug/l	2.5	0.18
p-Chlorotoluene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33
Hexachlorobutadiene	ND		ug/l	0.60	0.23
Isopropylbenzene	ND		ug/l	0.50	0.19
p-Isopropyltoluene	ND		ug/l	0.50	0.19
Naphthalene	ND		ug/l	2.5	0.22

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 01/06/12 08:37
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 30 Batch: WG512424-3					
n-Propylbenzene	ND		ug/l	0.50	0.17
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27
1,4-Diethylbenzene	ND		ug/l	2.0	0.11
4-Ethyltoluene	ND		ug/l	2.0	0.42
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10
Ethyl ether	ND		ug/l	2.5	0.20
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 01/05/12 09:10
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 21-23 Batch: WG512451-3					
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 24-29,31-35 Batch: WG511997-1 WG511997-2								
Chlorobenzene	105		101		75-130	4		20
Benzene	103		99		76-127	4		20
Toluene	106		101		76-125	5		20
1,1-Dichloroethene	97		93		61-145	4		20
Trichloroethene	108		104		71-120	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		103		70-130
Toluene-d8	101		99		70-130
4-Bromofluorobenzene	102		104		70-130
Dibromofluoromethane	108		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-20 Batch: WG512155-1 WG512155-2								
Chlorobenzene	114		112		60-133	2		30
Benzene	117		114		66-142	3		30
Toluene	114		109		59-139	4		30
1,1-Dichloroethene	113		111		59-172	2		30
Trichloroethene	125		124		62-137	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		100		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 30 Batch: WG512424-1 WG512424-2								
Chlorobenzene	94		92		75-130	2		20
Benzene	80		80		76-127	0		20
Toluene	90		87		76-125	3		20
1,1-Dichloroethene	80		81		61-145	1		20
Trichloroethene	88		86		71-120	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
Toluene-d8	108		107		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	105		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 21-23 Batch: WG512451-1 WG512451-2								
Chlorobenzene	110		110		60-133	0		30
Benzene	104		105		66-142	1		30
Toluene	110		111		59-139	1		30
1,1-Dichloroethene	95		93		59-172	2		30
Trichloroethene	104		108		62-137	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		109		70-130
Toluene-d8	108		109		70-130
4-Bromofluorobenzene	102		104		70-130
Dibromofluoromethane	101		101		70-130

SEMIVOLATILES

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-01	D	Date Collected:	12/28/11 09:50
Client ID:	SB-1 (3-4)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270C		Extraction Date:	12/31/11 08:57
Analytical Date:	01/04/12 20:29			
Analyst:	JC			
Percent Solids:	89%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	300	80.	2
1,2,4-Trichlorobenzene	ND		ug/kg	370	110	2
Hexachlorobenzene	ND		ug/kg	220	58.	2
Bis(2-chloroethyl)ether	ND		ug/kg	330	70.	2
2-Chloronaphthalene	ND		ug/kg	370	110	2
1,2-Dichlorobenzene	ND		ug/kg	370	110	2
1,3-Dichlorobenzene	ND		ug/kg	370	120	2
1,4-Dichlorobenzene	ND		ug/kg	370	100	2
3,3'-Dichlorobenzidine	ND		ug/kg	370	130	2
2,4-Dinitrotoluene	ND		ug/kg	370	110	2
2,6-Dinitrotoluene	ND		ug/kg	370	120	2
Fluoranthene	830		ug/kg	220	49.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	370	66.	2
4-Bromophenyl phenyl ether	ND		ug/kg	370	77.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	450	100	2
Bis(2-chloroethoxy)methane	ND		ug/kg	400	93.	2
Hexachlorobutadiene	ND		ug/kg	370	99.	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	290	2
Hexachloroethane	ND		ug/kg	300	54.	2
Isophorone	ND		ug/kg	330	89.	2
Naphthalene	ND		ug/kg	370	120	2
Nitrobenzene	ND		ug/kg	330	110	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	93.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	370	100	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	370	77.	2
Butyl benzyl phthalate	ND		ug/kg	370	100	2
Di-n-butylphthalate	ND		ug/kg	370	63.	2
Di-n-octylphthalate	ND		ug/kg	370	100	2
Diethyl phthalate	ND		ug/kg	370	64.	2
Dimethyl phthalate	ND		ug/kg	370	61.	2
Benzo(a)anthracene	590		ug/kg	220	74.	2

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-01 D Date Collected: 12/28/11 09:50

Client ID: SB-1 (3-4) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	500		ug/kg	300	89.	2
Benzo(b)fluoranthene	470		ug/kg	220	66.	2
Benzo(k)fluoranthene	440		ug/kg	220	57.	2
Chrysene	580		ug/kg	220	58.	2
Acenaphthylene	ND		ug/kg	300	96.	2
Anthracene	180	J	ug/kg	220	52.	2
Benzo(ghi)perylene	280	J	ug/kg	300	94.	2
Fluorene	ND		ug/kg	370	68.	2
Phenanthrene	790		ug/kg	220	62.	2
Dibenzo(a,h)anthracene	ND		ug/kg	220	69.	2
Indeno(1,2,3-cd)Pyrene	230	J	ug/kg	300	91.	2
Pyrene	1000		ug/kg	220	61.	2
Biphenyl	ND		ug/kg	850	260	2
4-Chloroaniline	ND		ug/kg	370	120	2
2-Nitroaniline	ND		ug/kg	370	68.	2
3-Nitroaniline	ND		ug/kg	370	42.	2
4-Nitroaniline	ND		ug/kg	370	230	2
Dibenzofuran	ND		ug/kg	370	76.	2
2-Methylnaphthalene	ND		ug/kg	450	150	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	370	120	2
Acetophenone	ND		ug/kg	370	120	2
2,4,6-Trichlorophenol	ND		ug/kg	220	68.	2
P-Chloro-M-Cresol	ND		ug/kg	370	76.	2
2-Chlorophenol	ND		ug/kg	370	120	2
2,4-Dichlorophenol	ND		ug/kg	330	110	2
2,4-Dimethylphenol	ND		ug/kg	370	150	2
2-Nitrophenol	ND		ug/kg	800	270	2
4-Nitrophenol	ND		ug/kg	520	160	2
2,4-Dinitrophenol	ND		ug/kg	1800	580	2
4,6-Dinitro-o-cresol	ND		ug/kg	970	350	2
Pentachlorophenol	ND		ug/kg	300	88.	2
Phenol	ND		ug/kg	370	120	2
2-Methylphenol	ND		ug/kg	370	92.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	540	160	2
2,4,5-Trichlorophenol	ND		ug/kg	370	86.	2
Benzoic Acid	ND		ug/kg	1200	310	2
Benzyl Alcohol	ND		ug/kg	370	86.	2
Carbazole	60	J	ug/kg	370	60.	2

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-01 D Date Collected: 12/28/11 09:50

Client ID: SB-1 (3-4) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	31		0-136
4-Terphenyl-d14	53		18-120

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-02	Date Collected:	12/28/11 09:55
Client ID:	SB-1 (13-14)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	01/09/12 07:15
Analytical Date:	01/09/12 13:44		
Analyst:	JB		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	57.	1
Hexachlorobenzene	ND		ug/kg	120	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	37.	1
2-Chloronaphthalene	ND		ug/kg	200	59.	1
1,2-Dichlorobenzene	ND		ug/kg	200	58.	1
1,3-Dichlorobenzene	ND		ug/kg	200	61.	1
1,4-Dichlorobenzene	ND		ug/kg	200	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	71.	1
2,4-Dinitrotoluene	ND		ug/kg	200	59.	1
2,6-Dinitrotoluene	ND		ug/kg	200	65.	1
Fluoranthene	74	J	ug/kg	120	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	35.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	55.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	49.	1
Hexachlorobutadiene	ND		ug/kg	200	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	160	1
Hexachloroethane	ND		ug/kg	160	28.	1
Isophorone	ND		ug/kg	180	47.	1
Naphthalene	ND		ug/kg	200	62.	1
Nitrobenzene	ND		ug/kg	180	57.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	49.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	55.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	41.	1
Butyl benzyl phthalate	ND		ug/kg	200	55.	1
Di-n-butylphthalate	ND		ug/kg	200	33.	1
Di-n-octylphthalate	ND		ug/kg	200	53.	1
Diethyl phthalate	ND		ug/kg	200	34.	1
Dimethyl phthalate	ND		ug/kg	200	32.	1
Benzo(a)anthracene	44	J	ug/kg	120	39.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-02 Date Collected: 12/28/11 09:55

Client ID: SB-1 (13-14) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	30.	1
Chrysene	40	J	ug/kg	120	31.	1
Acenaphthylene	ND		ug/kg	160	51.	1
Anthracene	ND		ug/kg	120	27.	1
Benzo(ghi)perylene	ND		ug/kg	160	50.	1
Fluorene	ND		ug/kg	200	36.	1
Phenanthrene	ND		ug/kg	120	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	48.	1
Pyrene	58	J	ug/kg	120	32.	1
Biphenyl	ND		ug/kg	450	140	1
4-Chloroaniline	ND		ug/kg	200	66.	1
2-Nitroaniline	ND		ug/kg	200	36.	1
3-Nitroaniline	ND		ug/kg	200	22.	1
4-Nitroaniline	ND		ug/kg	200	120	1
Dibenzofuran	ND		ug/kg	200	40.	1
2-Methylnaphthalene	ND		ug/kg	240	77.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	200	40.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	57.	1
2,4-Dimethylphenol	ND		ug/kg	200	81.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	280	84.	1
2,4-Dinitrophenol	ND		ug/kg	940	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	180	1
Pentachlorophenol	ND		ug/kg	160	46.	1
Phenol	ND		ug/kg	200	62.	1
2-Methylphenol	ND		ug/kg	200	48.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	85.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	46.	1
Benzoic Acid	ND		ug/kg	640	170	1
Benzyl Alcohol	ND		ug/kg	200	46.	1
Carbazole	ND		ug/kg	200	32.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-02 Date Collected: 12/28/11 09:55

Client ID: SB-1 (13-14) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	66		0-136
4-Terphenyl-d14	72		18-120

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-03	Date Collected:	12/28/11 10:46
Client ID:	SB-2 (0-1)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	12/31/11 08:57
Analytical Date:	01/03/12 16:58		
Analyst:	JC		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	55.	1
Hexachlorobenzene	ND		ug/kg	110	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
2-Chloronaphthalene	ND		ug/kg	190	57.	1
1,2-Dichlorobenzene	ND		ug/kg	190	56.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	68.	1
2,4-Dinitrotoluene	ND		ug/kg	190	57.	1
2,6-Dinitrotoluene	ND		ug/kg	190	62.	1
Fluoranthene	1100		ug/kg	110	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	33.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	48.	1
Hexachlorobutadiene	ND		ug/kg	190	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	150	1
Hexachloroethane	ND		ug/kg	150	27.	1
Isophorone	ND		ug/kg	170	45.	1
Naphthalene	ND		ug/kg	190	60.	1
Nitrobenzene	ND		ug/kg	170	55.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	53.	1
Bis(2-Ethylhexyl)phthalate	140	J	ug/kg	190	39.	1
Butyl benzyl phthalate	ND		ug/kg	190	53.	1
Di-n-butylphthalate	ND		ug/kg	190	32.	1
Di-n-octylphthalate	ND		ug/kg	190	51.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	31.	1
Benzo(a)anthracene	580		ug/kg	110	38.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-03 Date Collected: 12/28/11 10:46

Client ID: SB-2 (0-1) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	460		ug/kg	150	45.	1
Benzo(b)fluoranthene	670		ug/kg	110	34.	1
Benzo(k)fluoranthene	230		ug/kg	110	29.	1
Chrysene	550		ug/kg	110	30.	1
Acenaphthylene	ND		ug/kg	150	49.	1
Anthracene	140		ug/kg	110	26.	1
Benzo(ghi)perylene	290		ug/kg	150	48.	1
Fluorene	ND		ug/kg	190	35.	1
Phenanthrene	540		ug/kg	110	32.	1
Dibenzo(a,h)anthracene	86	J	ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	330		ug/kg	150	46.	1
Pyrene	990		ug/kg	110	31.	1
Biphenyl	ND		ug/kg	430	130	1
4-Chloroaniline	ND		ug/kg	190	64.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	21.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	39.	1
2-Methylnaphthalene	ND		ug/kg	230	75.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	170	55.	1
2,4-Dimethylphenol	ND		ug/kg	190	78.	1
2-Nitrophenol	ND		ug/kg	410	140	1
4-Nitrophenol	ND		ug/kg	260	81.	1
2,4-Dinitrophenol	ND		ug/kg	910	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	180	1
Pentachlorophenol	ND		ug/kg	150	45.	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	47.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	82.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	44.	1
Benzoic Acid	ND		ug/kg	610	160	1
Benzyl Alcohol	ND		ug/kg	190	44.	1
Carbazole	ND		ug/kg	190	30.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-03 Date Collected: 12/28/11 10:46

Client ID: SB-2 (0-1) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	42		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	25		0-136
4-Terphenyl-d14	43		18-120

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-04	Date Collected:	12/28/11 10:52
Client ID:	SB-2 (13-14)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	12/31/11 08:57
Analytical Date:	01/03/12 17:22		
Analyst:	JC		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	57.	1
Hexachlorobenzene	ND		ug/kg	120	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	37.	1
2-Chloronaphthalene	ND		ug/kg	200	59.	1
1,2-Dichlorobenzene	ND		ug/kg	200	58.	1
1,3-Dichlorobenzene	ND		ug/kg	200	61.	1
1,4-Dichlorobenzene	ND		ug/kg	200	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	71.	1
2,4-Dinitrotoluene	ND		ug/kg	200	59.	1
2,6-Dinitrotoluene	ND		ug/kg	200	64.	1
Fluoranthene	ND		ug/kg	120	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	55.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	49.	1
Hexachlorobutadiene	ND		ug/kg	200	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	150	1
Hexachloroethane	ND		ug/kg	160	28.	1
Isophorone	ND		ug/kg	180	47.	1
Naphthalene	ND		ug/kg	200	62.	1
Nitrobenzene	ND		ug/kg	180	57.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	49.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	55.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	40.	1
Butyl benzyl phthalate	ND		ug/kg	200	55.	1
Di-n-butylphthalate	ND		ug/kg	200	33.	1
Di-n-octylphthalate	ND		ug/kg	200	53.	1
Diethyl phthalate	ND		ug/kg	200	34.	1
Dimethyl phthalate	ND		ug/kg	200	32.	1
Benzo(a)anthracene	ND		ug/kg	120	39.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-04 Date Collected: 12/28/11 10:52

Client ID: SB-2 (13-14) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	30.	1
Chrysene	ND		ug/kg	120	30.	1
Acenaphthylene	ND		ug/kg	160	51.	1
Anthracene	ND		ug/kg	120	27.	1
Benzo(ghi)perylene	ND		ug/kg	160	49.	1
Fluorene	ND		ug/kg	200	36.	1
Phenanthrene	ND		ug/kg	120	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	48.	1
Pyrene	ND		ug/kg	120	32.	1
Biphenyl	ND		ug/kg	450	140	1
4-Chloroaniline	ND		ug/kg	200	66.	1
2-Nitroaniline	ND		ug/kg	200	36.	1
3-Nitroaniline	ND		ug/kg	200	22.	1
4-Nitroaniline	ND		ug/kg	200	120	1
Dibenzofuran	ND		ug/kg	200	40.	1
2-Methylnaphthalene	ND		ug/kg	230	77.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	200	40.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	57.	1
2,4-Dimethylphenol	ND		ug/kg	200	81.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	83.	1
2,4-Dinitrophenol	ND		ug/kg	940	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	180	1
Pentachlorophenol	ND		ug/kg	160	46.	1
Phenol	ND		ug/kg	200	61.	1
2-Methylphenol	ND		ug/kg	200	48.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	84.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	46.	1
Benzoic Acid	ND		ug/kg	630	160	1
Benzyl Alcohol	ND		ug/kg	200	45.	1
Carbazole	ND		ug/kg	200	31.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-04 Date Collected: 12/28/11 10:52

Client ID: SB-2 (13-14) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	49		0-136
4-Terphenyl-d14	48		18-120

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-05	Date Collected:	12/28/11 11:20
Client ID:	SB-3 (1-2)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	12/31/11 08:57
Analytical Date:	01/03/12 17:47		
Analyst:	JC		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Hexachlorobenzene	ND		ug/kg	120	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	37.	1
2-Chloronaphthalene	ND		ug/kg	190	58.	1
1,2-Dichlorobenzene	ND		ug/kg	190	57.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	70.	1
2,4-Dinitrotoluene	ND		ug/kg	190	58.	1
2,6-Dinitrotoluene	ND		ug/kg	190	64.	1
Fluoranthene	390		ug/kg	120	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	55.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	49.	1
Hexachlorobutadiene	ND		ug/kg	190	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	150	1
Hexachloroethane	ND		ug/kg	160	28.	1
Isophorone	ND		ug/kg	170	46.	1
Naphthalene	120	J	ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	49.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	54.	1
Di-n-butylphthalate	ND		ug/kg	190	33.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	34.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Benzo(a)anthracene	180		ug/kg	120	38.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-05 Date Collected: 12/28/11 11:20

Client ID: SB-3 (1-2) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	130	J	ug/kg	160	46.	1
Benzo(b)fluoranthene	210		ug/kg	120	34.	1
Benzo(k)fluoranthene	75	J	ug/kg	120	30.	1
Chrysene	200		ug/kg	120	30.	1
Acenaphthylene	ND		ug/kg	160	50.	1
Anthracene	70	J	ug/kg	120	27.	1
Benzo(ghi)perylene	83	J	ug/kg	160	49.	1
Fluorene	ND		ug/kg	190	36.	1
Phenanthrene	410		ug/kg	120	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	36.	1
Indeno(1,2,3-cd)Pyrene	96	J	ug/kg	160	47.	1
Pyrene	330		ug/kg	120	32.	1
Biphenyl	ND		ug/kg	440	140	1
4-Chloroaniline	ND		ug/kg	190	65.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	22.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	54	J	ug/kg	190	40.	1
2-Methylnaphthalene	100	J	ug/kg	230	76.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	62.	1
Acetophenone	ND		ug/kg	190	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	40.	1
2-Chlorophenol	ND		ug/kg	190	61.	1
2,4-Dichlorophenol	ND		ug/kg	170	56.	1
2,4-Dimethylphenol	ND		ug/kg	190	80.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	83.	1
2,4-Dinitrophenol	ND		ug/kg	930	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Pentachlorophenol	ND		ug/kg	160	46.	1
Phenol	ND		ug/kg	190	61.	1
2-Methylphenol	ND		ug/kg	190	48.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	84.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	45.	1
Benzoic Acid	ND		ug/kg	630	160	1
Benzyl Alcohol	ND		ug/kg	190	45.	1
Carbazole	52	J	ug/kg	190	31.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-05 Date Collected: 12/28/11 11:20

Client ID: SB-3 (1-2) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		25-120
Phenol-d6	47		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	31		0-136
4-Terphenyl-d14	47		18-120

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-06	Date Collected:	12/28/11 11:25
Client ID:	SB-3 (13-14)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	12/31/11 08:57
Analytical Date:	01/03/12 18:12		
Analyst:	JC		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Hexachlorobenzene	ND		ug/kg	110	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
2-Chloronaphthalene	ND		ug/kg	190	57.	1
1,2-Dichlorobenzene	ND		ug/kg	190	56.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	69.	1
2,4-Dinitrotoluene	ND		ug/kg	190	57.	1
2,6-Dinitrotoluene	ND		ug/kg	190	63.	1
Fluoranthene	ND		ug/kg	110	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	48.	1
Hexachlorobutadiene	ND		ug/kg	190	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	150	1
Hexachloroethane	ND		ug/kg	150	28.	1
Isophorone	ND		ug/kg	170	46.	1
Naphthalene	ND		ug/kg	190	61.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	53.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	54.	1
Di-n-butylphthalate	ND		ug/kg	190	32.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Benzo(a)anthracene	ND		ug/kg	110	38.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-06 Date Collected: 12/28/11 11:25

Client ID: SB-3 (13-14) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	34.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	30.	1
Acenaphthylene	ND		ug/kg	150	50.	1
Anthracene	ND		ug/kg	110	26.	1
Benzo(ghi)perylene	ND		ug/kg	150	48.	1
Fluorene	ND		ug/kg	190	35.	1
Phenanthrene	ND		ug/kg	110	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	47.	1
Pyrene	ND		ug/kg	110	31.	1
Biphenyl	ND		ug/kg	440	130	1
4-Chloroaniline	ND		ug/kg	190	64.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	21.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	39.	1
2-Methylnaphthalene	ND		ug/kg	230	75.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	61.	1
Acetophenone	ND		ug/kg	190	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	60.	1
2,4-Dichlorophenol	ND		ug/kg	170	56.	1
2,4-Dimethylphenol	ND		ug/kg	190	79.	1
2-Nitrophenol	ND		ug/kg	410	140	1
4-Nitrophenol	ND		ug/kg	270	81.	1
2,4-Dinitrophenol	ND		ug/kg	920	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Pentachlorophenol	ND		ug/kg	150	45.	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	47.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	83.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	44.	1
Benzoic Acid	ND		ug/kg	620	160	1
Benzyl Alcohol	ND		ug/kg	190	44.	1
Carbazole	ND		ug/kg	190	31.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-06 Date Collected: 12/28/11 11:25

Client ID: SB-3 (13-14) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	75		0-136
4-Terphenyl-d14	64		18-120

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-07	D	Date Collected:	12/28/11 12:14
Client ID:	SB-4 (2-3)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270C		Extraction Date:	12/31/11 08:57
Analytical Date:	01/04/12 20:52			
Analyst:	JC			
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	760	200	5
1,2,4-Trichlorobenzene	ND		ug/kg	950	280	5
Hexachlorobenzene	ND		ug/kg	570	150	5
Bis(2-chloroethyl)ether	ND		ug/kg	850	180	5
2-Chloronaphthalene	ND		ug/kg	950	280	5
1,2-Dichlorobenzene	ND		ug/kg	950	280	5
1,3-Dichlorobenzene	ND		ug/kg	950	290	5
1,4-Dichlorobenzene	ND		ug/kg	950	270	5
3,3'-Dichlorobenzidine	ND		ug/kg	950	340	5
2,4-Dinitrotoluene	ND		ug/kg	950	280	5
2,6-Dinitrotoluene	ND		ug/kg	950	310	5
Fluoranthene	1600		ug/kg	570	120	5
4-Chlorophenyl phenyl ether	ND		ug/kg	950	170	5
4-Bromophenyl phenyl ether	ND		ug/kg	950	200	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	270	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	240	5
Hexachlorobutadiene	ND		ug/kg	950	250	5
Hexachlorocyclopentadiene	ND		ug/kg	2700	750	5
Hexachloroethane	ND		ug/kg	760	140	5
Isophorone	ND		ug/kg	850	220	5
Naphthalene	ND		ug/kg	950	300	5
Nitrobenzene	ND		ug/kg	850	280	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	760	240	5
n-Nitrosodi-n-propylamine	ND		ug/kg	950	260	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	950	200	5
Butyl benzyl phthalate	470	J	ug/kg	950	260	5
Di-n-butylphthalate	ND		ug/kg	950	160	5
Di-n-octylphthalate	ND		ug/kg	950	260	5
Diethyl phthalate	ND		ug/kg	950	160	5
Dimethyl phthalate	ND		ug/kg	950	160	5
Benzo(a)anthracene	1000		ug/kg	570	190	5

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-07 D Date Collected: 12/28/11 12:14

Client ID: SB-4 (2-3) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	930		ug/kg	760	220	5
Benzo(b)fluoranthene	900		ug/kg	570	170	5
Benzo(k)fluoranthene	870		ug/kg	570	140	5
Chrysene	990		ug/kg	570	150	5
Acenaphthylene	ND		ug/kg	760	240	5
Anthracene	340	J	ug/kg	570	130	5
Benzo(ghi)perylene	490	J	ug/kg	760	240	5
Fluorene	ND		ug/kg	950	170	5
Phenanthrene	1300		ug/kg	570	160	5
Dibenzo(a,h)anthracene	230	J	ug/kg	570	180	5
Indeno(1,2,3-cd)Pyrene	480	J	ug/kg	760	230	5
Pyrene	1800		ug/kg	570	160	5
Biphenyl	ND		ug/kg	2200	660	5
4-Chloroaniline	ND		ug/kg	950	320	5
2-Nitroaniline	ND		ug/kg	950	170	5
3-Nitroaniline	ND		ug/kg	950	110	5
4-Nitroaniline	ND		ug/kg	950	580	5
Dibenzofuran	ND		ug/kg	950	190	5
2-Methylnaphthalene	ND		ug/kg	1100	370	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	950	300	5
Acetophenone	ND		ug/kg	950	300	5
2,4,6-Trichlorophenol	ND		ug/kg	570	170	5
P-Chloro-M-Cresol	ND		ug/kg	950	190	5
2-Chlorophenol	ND		ug/kg	950	300	5
2,4-Dichlorophenol	ND		ug/kg	850	270	5
2,4-Dimethylphenol	ND		ug/kg	950	390	5
2-Nitrophenol	ND		ug/kg	2000	690	5
4-Nitrophenol	ND		ug/kg	1300	400	5
2,4-Dinitrophenol	ND		ug/kg	4500	1500	5
4,6-Dinitro-o-cresol	ND		ug/kg	2500	890	5
Pentachlorophenol	ND		ug/kg	760	220	5
Phenol	ND		ug/kg	950	300	5
2-Methylphenol	ND		ug/kg	950	230	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	410	5
2,4,5-Trichlorophenol	ND		ug/kg	950	220	5
Benzoic Acid	ND		ug/kg	3100	800	5
Benzyl Alcohol	ND		ug/kg	950	220	5
Carbazole	170	J	ug/kg	950	150	5

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-07 D Date Collected: 12/28/11 12:14

Client ID: SB-4 (2-3) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	58		0-136
4-Terphenyl-d14	77		18-120

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-08	Date Collected:	12/28/11 12:20
Client ID:	SB-4 (14-15)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	12/31/11 08:57
Analytical Date:	01/03/12 18:38		
Analyst:	JC		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	55	J	ug/kg	150	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	55.	1
Hexachlorobenzene	ND		ug/kg	110	29.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
2-Chloronaphthalene	ND		ug/kg	190	57.	1
1,2-Dichlorobenzene	ND		ug/kg	190	56.	1
1,3-Dichlorobenzene	ND		ug/kg	190	58.	1
1,4-Dichlorobenzene	ND		ug/kg	190	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	68.	1
2,4-Dinitrotoluene	ND		ug/kg	190	57.	1
2,6-Dinitrotoluene	ND		ug/kg	190	62.	1
Fluoranthene	320		ug/kg	110	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	33.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	53.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	48.	1
Hexachlorobutadiene	ND		ug/kg	190	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	150	1
Hexachloroethane	ND		ug/kg	150	27.	1
Isophorone	ND		ug/kg	170	45.	1
Naphthalene	ND		ug/kg	190	60.	1
Nitrobenzene	ND		ug/kg	170	55.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	53.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	39.	1
Butyl benzyl phthalate	ND		ug/kg	190	53.	1
Di-n-butylphthalate	ND		ug/kg	190	32.	1
Di-n-octylphthalate	ND		ug/kg	190	51.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	31.	1
Benzo(a)anthracene	140		ug/kg	110	37.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-08 Date Collected: 12/28/11 12:20

Client ID: SB-4 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	120	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	190		ug/kg	110	34.	1
Benzo(k)fluoranthene	74	J	ug/kg	110	29.	1
Chrysene	150		ug/kg	110	29.	1
Acenaphthylene	65	J	ug/kg	150	49.	1
Anthracene	80	J	ug/kg	110	26.	1
Benzo(ghi)perylene	94	J	ug/kg	150	48.	1
Fluorene	ND		ug/kg	190	35.	1
Phenanthrene	400		ug/kg	110	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	100	J	ug/kg	150	46.	1
Pyrene	290		ug/kg	110	31.	1
Biphenyl	ND		ug/kg	430	130	1
4-Chloroaniline	ND		ug/kg	190	64.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	21.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	42	J	ug/kg	190	39.	1
2-Methylnaphthalene	ND		ug/kg	230	74.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	170	55.	1
2,4-Dimethylphenol	ND		ug/kg	190	78.	1
2-Nitrophenol	ND		ug/kg	410	140	1
4-Nitrophenol	ND		ug/kg	260	81.	1
2,4-Dinitrophenol	ND		ug/kg	910	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	180	1
Pentachlorophenol	ND		ug/kg	150	45.	1
Phenol	ND		ug/kg	190	59.	1
2-Methylphenol	ND		ug/kg	190	46.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	82.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	44.	1
Benzoic Acid	ND		ug/kg	610	160	1
Benzyl Alcohol	ND		ug/kg	190	44.	1
Carbazole	ND		ug/kg	190	30.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-08 Date Collected: 12/28/11 12:20

Client ID: SB-4 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	57		0-136
4-Terphenyl-d14	66		18-120

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-09	D2	Date Collected:	12/28/11 12:43
Client ID:	SB-5 (2-3)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270C		Extraction Date:	12/31/11 08:57
Analytical Date:	01/06/12 05:12			
Analyst:	JC			
Percent Solids:	89%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	67000		ug/kg	1100	240	10
Phenanthrene	60000		ug/kg	1100	300	10

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-09	D	Date Collected:	12/28/11 12:43
Client ID:	SB-5 (2-3)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270C		Extraction Date:	12/31/11 08:57
Analytical Date:	01/04/12 21:15			
Analyst:	JC			
Percent Solids:	89%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	4400		ug/kg	730	200	5
1,2,4-Trichlorobenzene	ND		ug/kg	910	260	5
Hexachlorobenzene	ND		ug/kg	540	140	5
Bis(2-chloroethyl)ether	ND		ug/kg	820	170	5
2-Chloronaphthalene	ND		ug/kg	910	270	5
1,2-Dichlorobenzene	ND		ug/kg	910	270	5
1,3-Dichlorobenzene	ND		ug/kg	910	280	5
1,4-Dichlorobenzene	ND		ug/kg	910	260	5
3,3'-Dichlorobenzidine	ND		ug/kg	910	330	5
2,4-Dinitrotoluene	ND		ug/kg	910	270	5
2,6-Dinitrotoluene	ND		ug/kg	910	300	5
Fluoranthene	62000	E	ug/kg	540	120	5
4-Chlorophenyl phenyl ether	ND		ug/kg	910	160	5
4-Bromophenyl phenyl ether	ND		ug/kg	910	190	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	260	5
Bis(2-chloroethoxy)methane	ND		ug/kg	980	230	5
Hexachlorobutadiene	ND		ug/kg	910	240	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	720	5
Hexachloroethane	ND		ug/kg	730	130	5
Isophorone	ND		ug/kg	820	220	5
Naphthalene	2600		ug/kg	910	290	5
Nitrobenzene	ND		ug/kg	820	260	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	730	230	5
n-Nitrosodi-n-propylamine	ND		ug/kg	910	250	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	910	190	5
Butyl benzyl phthalate	ND		ug/kg	910	250	5
Di-n-butylphthalate	ND		ug/kg	910	150	5
Di-n-octylphthalate	ND		ug/kg	910	240	5
Diethyl phthalate	ND		ug/kg	910	160	5
Dimethyl phthalate	ND		ug/kg	910	150	5
Benzo(a)anthracene	28000		ug/kg	540	180	5

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-09 D Date Collected: 12/28/11 12:43

Client ID: SB-5 (2-3) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	26000		ug/kg	730	220	5
Benzo(b)fluoranthene	24000		ug/kg	540	160	5
Benzo(k)fluoranthene	26000		ug/kg	540	140	5
Chrysene	27000		ug/kg	540	140	5
Acenaphthylene	2100		ug/kg	730	240	5
Anthracene	13000		ug/kg	540	120	5
Benzo(ghi)perylene	14000		ug/kg	730	230	5
Fluorene	5000		ug/kg	910	170	5
Phenanthrene	39000	E	ug/kg	540	150	5
Dibenzo(a,h)anthracene	6600		ug/kg	540	170	5
Indeno(1,2,3-cd)Pyrene	13000		ug/kg	730	220	5
Pyrene	33000		ug/kg	540	150	5
Biphenyl	ND		ug/kg	2100	630	5
4-Chloroaniline	ND		ug/kg	910	300	5
2-Nitroaniline	ND		ug/kg	910	170	5
3-Nitroaniline	ND		ug/kg	910	100	5
4-Nitroaniline	ND		ug/kg	910	550	5
Dibenzofuran	ND		ug/kg	910	190	5
2-Methylnaphthalene	1200		ug/kg	1100	360	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	910	290	5
Acetophenone	ND		ug/kg	910	290	5
2,4,6-Trichlorophenol	ND		ug/kg	540	170	5
P-Chloro-M-Cresol	ND		ug/kg	910	180	5
2-Chlorophenol	ND		ug/kg	910	280	5
2,4-Dichlorophenol	ND		ug/kg	820	260	5
2,4-Dimethylphenol	ND		ug/kg	910	370	5
2-Nitrophenol	ND		ug/kg	2000	660	5
4-Nitrophenol	ND		ug/kg	1300	390	5
2,4-Dinitrophenol	ND		ug/kg	4400	1400	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	860	5
Pentachlorophenol	ND		ug/kg	730	220	5
Phenol	ND		ug/kg	910	280	5
2-Methylphenol	ND		ug/kg	910	220	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	390	5
2,4,5-Trichlorophenol	ND		ug/kg	910	210	5
Benzoic Acid	ND		ug/kg	2900	770	5
Benzyl Alcohol	ND		ug/kg	910	210	5
Carbazole	7600		ug/kg	910	150	5

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-09 D Date Collected: 12/28/11 12:43

Client ID: SB-5 (2-3) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	59		0-136
4-Terphenyl-d14	57		18-120

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-10	Date Collected:	12/28/11 12:50
Client ID:	SB-5 (14-15)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	12/31/11 08:57
Analytical Date:	01/03/12 19:03		
Analyst:	JC		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	44.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	60.	1
Hexachlorobenzene	ND		ug/kg	120	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	39.	1
2-Chloronaphthalene	ND		ug/kg	200	61.	1
1,2-Dichlorobenzene	ND		ug/kg	200	60.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	74.	1
2,4-Dinitrotoluene	ND		ug/kg	200	61.	1
2,6-Dinitrotoluene	ND		ug/kg	200	67.	1
Fluoranthene	48	J	ug/kg	120	27.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	36.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	51.	1
Hexachlorobutadiene	ND		ug/kg	200	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	160	1
Hexachloroethane	ND		ug/kg	160	29.	1
Isophorone	ND		ug/kg	180	49.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	60.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	51.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	42.	1
Butyl benzyl phthalate	ND		ug/kg	200	57.	1
Di-n-butylphthalate	ND		ug/kg	200	35.	1
Di-n-octylphthalate	ND		ug/kg	200	55.	1
Diethyl phthalate	ND		ug/kg	200	35.	1
Dimethyl phthalate	ND		ug/kg	200	34.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-10 Date Collected: 12/28/11 12:50

Client ID: SB-5 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	36.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	32.	1
Acenaphthylene	ND		ug/kg	160	53.	1
Anthracene	ND		ug/kg	120	28.	1
Benzo(ghi)perylene	ND		ug/kg	160	52.	1
Fluorene	ND		ug/kg	200	38.	1
Phenanthrene	44	J	ug/kg	120	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	50.	1
Pyrene	ND		ug/kg	120	34.	1
Biphenyl	ND		ug/kg	460	140	1
4-Chloroaniline	ND		ug/kg	200	69.	1
2-Nitroaniline	ND		ug/kg	200	37.	1
3-Nitroaniline	ND		ug/kg	200	23.	1
4-Nitroaniline	ND		ug/kg	200	120	1
Dibenzofuran	ND		ug/kg	200	42.	1
2-Methylnaphthalene	ND		ug/kg	240	80.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	65.	1
Acetophenone	ND		ug/kg	200	66.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	42.	1
2-Chlorophenol	ND		ug/kg	200	64.	1
2,4-Dichlorophenol	ND		ug/kg	180	59.	1
2,4-Dimethylphenol	ND		ug/kg	200	84.	1
2-Nitrophenol	ND		ug/kg	440	150	1
4-Nitrophenol	ND		ug/kg	280	87.	1
2,4-Dinitrophenol	ND		ug/kg	980	320	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	190	1
Pentachlorophenol	ND		ug/kg	160	48.	1
Phenol	ND		ug/kg	200	64.	1
2-Methylphenol	ND		ug/kg	200	50.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	88.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	47.	1
Benzoic Acid	ND		ug/kg	660	170	1
Benzyl Alcohol	ND		ug/kg	200	47.	1
Carbazole	ND		ug/kg	200	33.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-10 Date Collected: 12/28/11 12:50

Client ID: SB-5 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	49		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	54		0-136
4-Terphenyl-d14	59		18-120

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-11	D	Date Collected:	12/28/11 13:45
Client ID:	SB-6 (1-2)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270C		Extraction Date:	12/31/11 08:57
Analytical Date:	01/04/12 21:37			
Analyst:	JC			
Percent Solids:	89%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	660	J	ug/kg	740	200	5
1,2,4-Trichlorobenzene	ND		ug/kg	920	270	5
Hexachlorobenzene	ND		ug/kg	550	140	5
Bis(2-chloroethyl)ether	ND		ug/kg	830	170	5
2-Chloronaphthalene	ND		ug/kg	920	280	5
1,2-Dichlorobenzene	ND		ug/kg	920	270	5
1,3-Dichlorobenzene	ND		ug/kg	920	280	5
1,4-Dichlorobenzene	ND		ug/kg	920	260	5
3,3'-Dichlorobenzidine	ND		ug/kg	920	330	5
2,4-Dinitrotoluene	ND		ug/kg	920	280	5
2,6-Dinitrotoluene	ND		ug/kg	920	300	5
Fluoranthene	7600		ug/kg	550	120	5
4-Chlorophenyl phenyl ether	ND		ug/kg	920	160	5
4-Bromophenyl phenyl ether	ND		ug/kg	920	190	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	260	5
Bis(2-chloroethoxy)methane	ND		ug/kg	990	230	5
Hexachlorobutadiene	ND		ug/kg	920	240	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	730	5
Hexachloroethane	ND		ug/kg	740	130	5
Isophorone	ND		ug/kg	830	220	5
Naphthalene	700	J	ug/kg	920	290	5
Nitrobenzene	ND		ug/kg	830	270	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	740	230	5
n-Nitrosodi-n-propylamine	ND		ug/kg	920	260	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	920	190	5
Butyl benzyl phthalate	ND		ug/kg	920	260	5
Di-n-butylphthalate	ND		ug/kg	920	160	5
Di-n-octylphthalate	ND		ug/kg	920	250	5
Diethyl phthalate	ND		ug/kg	920	160	5
Dimethyl phthalate	ND		ug/kg	920	150	5
Benzo(a)anthracene	4100		ug/kg	550	180	5

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-11 D Date Collected: 12/28/11 13:45

Client ID: SB-6 (1-2) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	4000		ug/kg	740	220	5
Benzo(b)fluoranthene	4100		ug/kg	550	160	5
Benzo(k)fluoranthene	3600		ug/kg	550	140	5
Chrysene	4600		ug/kg	550	140	5
Acenaphthylene	1400		ug/kg	740	240	5
Anthracene	1700		ug/kg	550	130	5
Benzo(ghi)perylene	2400		ug/kg	740	230	5
Fluorene	810	J	ug/kg	920	170	5
Phenanthrene	10000		ug/kg	550	150	5
Dibenzo(a,h)anthracene	1000		ug/kg	550	170	5
Indeno(1,2,3-cd)Pyrene	2100		ug/kg	740	220	5
Pyrene	7800		ug/kg	550	150	5
Biphenyl	ND		ug/kg	2100	640	5
4-Chloroaniline	ND		ug/kg	920	310	5
2-Nitroaniline	ND		ug/kg	920	170	5
3-Nitroaniline	ND		ug/kg	920	100	5
4-Nitroaniline	ND		ug/kg	920	560	5
Dibenzofuran	820	J	ug/kg	920	190	5
2-Methylnaphthalene	ND		ug/kg	1100	360	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	920	290	5
Acetophenone	ND		ug/kg	920	300	5
2,4,6-Trichlorophenol	ND		ug/kg	550	170	5
P-Chloro-M-Cresol	ND		ug/kg	920	190	5
2-Chlorophenol	ND		ug/kg	920	290	5
2,4-Dichlorophenol	ND		ug/kg	830	270	5
2,4-Dimethylphenol	ND		ug/kg	920	380	5
2-Nitrophenol	ND		ug/kg	2000	670	5
4-Nitrophenol	ND		ug/kg	1300	390	5
2,4-Dinitrophenol	ND		ug/kg	4400	1400	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	870	5
Pentachlorophenol	ND		ug/kg	740	220	5
Phenol	ND		ug/kg	920	290	5
2-Methylphenol	ND		ug/kg	920	230	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	400	5
2,4,5-Trichlorophenol	ND		ug/kg	920	210	5
Benzoic Acid	ND		ug/kg	3000	780	5
Benzyl Alcohol	ND		ug/kg	920	210	5
Carbazole	810	J	ug/kg	920	150	5

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-11 D
Client ID: SB-6 (1-2)
Sample Location: 547 10TH AVE.

Date Collected: 12/28/11 13:45
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	23		0-136
4-Terphenyl-d14	53		18-120

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-12	D	Date Collected:	12/28/11 13:50
Client ID:	SB-6 (13-14)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270C		Extraction Date:	12/31/11 08:57
Analytical Date:	01/04/12 22:00			
Analyst:	JC			
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	140	J	ug/kg	300	82.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	110	2
Hexachlorobenzene	ND		ug/kg	230	59.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	72.	2
2-Chloronaphthalene	ND		ug/kg	380	110	2
1,2-Dichlorobenzene	ND		ug/kg	380	110	2
1,3-Dichlorobenzene	ND		ug/kg	380	120	2
1,4-Dichlorobenzene	ND		ug/kg	380	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	140	2
2,4-Dinitrotoluene	ND		ug/kg	380	110	2
2,6-Dinitrotoluene	ND		ug/kg	380	120	2
Fluoranthene	1300		ug/kg	230	50.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	67.	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	79.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	110	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	96.	2
Hexachlorobutadiene	ND		ug/kg	380	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	300	2
Hexachloroethane	ND		ug/kg	300	55.	2
Isophorone	ND		ug/kg	340	91.	2
Naphthalene	170	J	ug/kg	380	120	2
Nitrobenzene	ND		ug/kg	340	110	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	96.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	380	79.	2
Butyl benzyl phthalate	ND		ug/kg	380	110	2
Di-n-butylphthalate	ND		ug/kg	380	65.	2
Di-n-octylphthalate	ND		ug/kg	380	100	2
Diethyl phthalate	ND		ug/kg	380	66.	2
Dimethyl phthalate	ND		ug/kg	380	63.	2
Benzo(a)anthracene	900		ug/kg	230	75.	2

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-12 D Date Collected: 12/28/11 13:50

Client ID: SB-6 (13-14) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	800		ug/kg	300	91.	2
Benzo(b)fluoranthene	710		ug/kg	230	68.	2
Benzo(k)fluoranthene	850		ug/kg	230	59.	2
Chrysene	910		ug/kg	230	59.	2
Acenaphthylene	ND		ug/kg	300	99.	2
Anthracene	360		ug/kg	230	53.	2
Benzo(ghi)perylene	440		ug/kg	300	96.	2
Fluorene	120	J	ug/kg	380	70.	2
Phenanthrene	1500		ug/kg	230	64.	2
Dibenzo(a,h)anthracene	210	J	ug/kg	230	71.	2
Indeno(1,2,3-cd)Pyrene	430		ug/kg	300	93.	2
Pyrene	1600		ug/kg	230	63.	2
Biphenyl	ND		ug/kg	870	260	2
4-Chloroaniline	ND		ug/kg	380	130	2
2-Nitroaniline	ND		ug/kg	380	70.	2
3-Nitroaniline	ND		ug/kg	380	43.	2
4-Nitroaniline	ND		ug/kg	380	230	2
Dibenzofuran	130	J	ug/kg	380	78.	2
2-Methylnaphthalene	ND		ug/kg	460	150	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	120	2
Acetophenone	ND		ug/kg	380	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	70.	2
P-Chloro-M-Cresol	ND		ug/kg	380	78.	2
2-Chlorophenol	ND		ug/kg	380	120	2
2,4-Dichlorophenol	ND		ug/kg	340	110	2
2,4-Dimethylphenol	ND		ug/kg	380	160	2
2-Nitrophenol	ND		ug/kg	820	280	2
4-Nitrophenol	ND		ug/kg	530	160	2
2,4-Dinitrophenol	ND		ug/kg	1800	590	2
4,6-Dinitro-o-cresol	ND		ug/kg	990	360	2
Pentachlorophenol	ND		ug/kg	300	90.	2
Phenol	ND		ug/kg	380	120	2
2-Methylphenol	ND		ug/kg	380	94.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	550	160	2
2,4,5-Trichlorophenol	ND		ug/kg	380	89.	2
Benzoic Acid	ND		ug/kg	1200	320	2
Benzyl Alcohol	ND		ug/kg	380	88.	2
Carbazole	150	J	ug/kg	380	61.	2

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-12 D Date Collected: 12/28/11 13:50

Client ID: SB-6 (13-14) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	44		0-136
4-Terphenyl-d14	64		18-120

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-13	D	Date Collected:	12/28/11 14:40
Client ID:	SB-7 (3-4)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270C		Extraction Date:	12/31/11 09:00
Analytical Date:	01/04/12 22:23			
Analyst:	JC			
Percent Solids:	94%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	2100	570	15
1,2,4-Trichlorobenzene	ND		ug/kg	2600	770	15
Hexachlorobenzene	ND		ug/kg	1600	410	15
Bis(2-chloroethyl)ether	ND		ug/kg	2400	500	15
2-Chloronaphthalene	ND		ug/kg	2600	790	15
1,2-Dichlorobenzene	ND		ug/kg	2600	780	15
1,3-Dichlorobenzene	ND		ug/kg	2600	820	15
1,4-Dichlorobenzene	ND		ug/kg	2600	750	15
3,3'-Dichlorobenzidine	ND		ug/kg	2600	950	15
2,4-Dinitrotoluene	ND		ug/kg	2600	790	15
2,6-Dinitrotoluene	ND		ug/kg	2600	870	15
Fluoranthene	1900		ug/kg	1600	340	15
4-Chlorophenyl phenyl ether	ND		ug/kg	2600	460	15
4-Bromophenyl phenyl ether	ND		ug/kg	2600	550	15
Bis(2-chloroisopropyl)ether	ND		ug/kg	3200	740	15
Bis(2-chloroethoxy)methane	ND		ug/kg	2800	660	15
Hexachlorobutadiene	ND		ug/kg	2600	700	15
Hexachlorocyclopentadiene	ND		ug/kg	7600	2100	15
Hexachloroethane	ND		ug/kg	2100	380	15
Isophorone	ND		ug/kg	2400	630	15
Naphthalene	ND		ug/kg	2600	840	15
Nitrobenzene	ND		ug/kg	2400	770	15
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	2100	660	15
n-Nitrosodi-n-propylamine	ND		ug/kg	2600	740	15
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	2600	550	15
Butyl benzyl phthalate	ND		ug/kg	2600	740	15
Di-n-butylphthalate	ND		ug/kg	2600	450	15
Di-n-octylphthalate	ND		ug/kg	2600	710	15
Diethyl phthalate	ND		ug/kg	2600	460	15
Dimethyl phthalate	ND		ug/kg	2600	440	15
Benzo(a)anthracene	ND		ug/kg	1600	520	15

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-13 D Date Collected: 12/28/11 14:40

Client ID: SB-7 (3-4) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	2100	630	15
Benzo(b)fluoranthene	ND		ug/kg	1600	470	15
Benzo(k)fluoranthene	ND		ug/kg	1600	410	15
Chrysene	ND		ug/kg	1600	410	15
Acenaphthylene	ND		ug/kg	2100	680	15
Anthracene	ND		ug/kg	1600	360	15
Benzo(ghi)perylene	ND		ug/kg	2100	670	15
Fluorene	ND		ug/kg	2600	480	15
Phenanthrene	ND		ug/kg	1600	440	15
Dibenzo(a,h)anthracene	ND		ug/kg	1600	490	15
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	2100	640	15
Pyrene	600	J	ug/kg	1600	430	15
Biphenyl	ND		ug/kg	6000	1800	15
4-Chloroaniline	ND		ug/kg	2600	890	15
2-Nitroaniline	ND		ug/kg	2600	480	15
3-Nitroaniline	ND		ug/kg	2600	300	15
4-Nitroaniline	ND		ug/kg	2600	1600	15
Dibenzofuran	ND		ug/kg	2600	540	15
2-Methylnaphthalene	ND		ug/kg	3200	1000	15
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2600	840	15
Acetophenone	ND		ug/kg	2600	850	15
2,4,6-Trichlorophenol	ND		ug/kg	1600	480	15
P-Chloro-M-Cresol	ND		ug/kg	2600	540	15
2-Chlorophenol	ND		ug/kg	2600	830	15
2,4-Dichlorophenol	ND		ug/kg	2400	770	15
2,4-Dimethylphenol	ND		ug/kg	2600	1100	15
2-Nitrophenol	ND		ug/kg	5700	1900	15
4-Nitrophenol	ND		ug/kg	3700	1100	15
2,4-Dinitrophenol	ND		ug/kg	13000	4100	15
4,6-Dinitro-o-cresol	ND		ug/kg	6900	2500	15
Pentachlorophenol	ND		ug/kg	2100	620	15
Phenol	ND		ug/kg	2600	830	15
2-Methylphenol	ND		ug/kg	2600	650	15
3-Methylphenol/4-Methylphenol	ND		ug/kg	3800	1100	15
2,4,5-Trichlorophenol	ND		ug/kg	2600	610	15
Benzoic Acid	ND		ug/kg	8600	2200	15
Benzyl Alcohol	ND		ug/kg	2600	610	15
Carbazole	ND		ug/kg	2600	420	15

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-13 D Date Collected: 12/28/11 14:40

Client ID: SB-7 (3-4) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-14	Date Collected:	12/28/11 14:51
Client ID:	SB-7 (14-15)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	12/31/11 09:00
Analytical Date:	01/03/12 19:28		
Analyst:	JC		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	55.	1
Hexachlorobenzene	ND		ug/kg	110	29.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
2-Chloronaphthalene	ND		ug/kg	190	56.	1
1,2-Dichlorobenzene	ND		ug/kg	190	55.	1
1,3-Dichlorobenzene	ND		ug/kg	190	58.	1
1,4-Dichlorobenzene	ND		ug/kg	190	53.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	68.	1
2,4-Dinitrotoluene	ND		ug/kg	190	56.	1
2,6-Dinitrotoluene	ND		ug/kg	190	62.	1
Fluoranthene	130		ug/kg	110	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	33.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	53.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	47.	1
Hexachlorobutadiene	ND		ug/kg	190	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	150	1
Hexachloroethane	ND		ug/kg	150	27.	1
Isophorone	ND		ug/kg	170	45.	1
Naphthalene	600		ug/kg	190	60.	1
Nitrobenzene	ND		ug/kg	170	55.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	52.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	39.	1
Butyl benzyl phthalate	ND		ug/kg	190	53.	1
Di-n-butylphthalate	ND		ug/kg	190	32.	1
Di-n-octylphthalate	ND		ug/kg	190	51.	1
Diethyl phthalate	ND		ug/kg	190	32.	1
Dimethyl phthalate	ND		ug/kg	190	31.	1
Benzo(a)anthracene	61	J	ug/kg	110	37.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-14 Date Collected: 12/28/11 14:51

Client ID: SB-7 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	33.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	58	J	ug/kg	110	29.	1
Acenaphthylene	ND		ug/kg	150	49.	1
Anthracene	39	J	ug/kg	110	26.	1
Benzo(ghi)perylene	ND		ug/kg	150	47.	1
Fluorene	65	J	ug/kg	190	34.	1
Phenanthrene	160		ug/kg	110	31.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	46.	1
Pyrene	120		ug/kg	110	31.	1
Biphenyl	ND		ug/kg	430	130	1
4-Chloroaniline	ND		ug/kg	190	63.	1
2-Nitroaniline	ND		ug/kg	190	34.	1
3-Nitroaniline	ND		ug/kg	190	21.	1
4-Nitroaniline	ND		ug/kg	190	110	1
Dibenzofuran	ND		ug/kg	190	39.	1
2-Methylnaphthalene	600		ug/kg	220	74.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	190	38.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	170	55.	1
2,4-Dimethylphenol	ND		ug/kg	190	78.	1
2-Nitrophenol	ND		ug/kg	400	140	1
4-Nitrophenol	ND		ug/kg	260	80.	1
2,4-Dinitrophenol	ND		ug/kg	900	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	180	1
Pentachlorophenol	ND		ug/kg	150	44.	1
Phenol	ND		ug/kg	190	59.	1
2-Methylphenol	ND		ug/kg	190	46.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	81.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	44.	1
Benzoic Acid	ND		ug/kg	610	160	1
Benzyl Alcohol	ND		ug/kg	190	44.	1
Carbazole	ND		ug/kg	190	30.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-14 Date Collected: 12/28/11 14:51

Client ID: SB-7 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	90		0-136
4-Terphenyl-d14	77		18-120

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-15	D	Date Collected:	12/28/11 15:26
Client ID:	SB-8 (4-5)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270C		Extraction Date:	12/31/11 09:00
Analytical Date:	01/04/12 22:46			
Analyst:	JC			
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	320	J	ug/kg	760	200	5
1,2,4-Trichlorobenzene	ND		ug/kg	950	280	5
Hexachlorobenzene	ND		ug/kg	570	150	5
Bis(2-chloroethyl)ether	ND		ug/kg	860	180	5
2-Chloronaphthalene	ND		ug/kg	950	290	5
1,2-Dichlorobenzene	ND		ug/kg	950	280	5
1,3-Dichlorobenzene	ND		ug/kg	950	300	5
1,4-Dichlorobenzene	ND		ug/kg	950	270	5
3,3'-Dichlorobenzidine	ND		ug/kg	950	340	5
2,4-Dinitrotoluene	ND		ug/kg	950	290	5
2,6-Dinitrotoluene	ND		ug/kg	950	310	5
Fluoranthene	8700		ug/kg	570	120	5
4-Chlorophenyl phenyl ether	ND		ug/kg	950	170	5
4-Bromophenyl phenyl ether	ND		ug/kg	950	200	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	270	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	240	5
Hexachlorobutadiene	ND		ug/kg	950	250	5
Hexachlorocyclopentadiene	ND		ug/kg	2700	750	5
Hexachloroethane	ND		ug/kg	760	140	5
Isophorone	ND		ug/kg	860	230	5
Naphthalene	370	J	ug/kg	950	300	5
Nitrobenzene	ND		ug/kg	860	280	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	760	240	5
n-Nitrosodi-n-propylamine	ND		ug/kg	950	270	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	950	200	5
Butyl benzyl phthalate	ND		ug/kg	950	270	5
Di-n-butylphthalate	ND		ug/kg	950	160	5
Di-n-octylphthalate	ND		ug/kg	950	260	5
Diethyl phthalate	ND		ug/kg	950	160	5
Dimethyl phthalate	ND		ug/kg	950	160	5
Benzo(a)anthracene	6100		ug/kg	570	190	5

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-15 D Date Collected: 12/28/11 15:26

Client ID: SB-8 (4-5) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	5900		ug/kg	760	230	5
Benzo(b)fluoranthene	5900		ug/kg	570	170	5
Benzo(k)fluoranthene	5600		ug/kg	570	150	5
Chrysene	6300		ug/kg	570	150	5
Acenaphthylene	2000		ug/kg	760	250	5
Anthracene	1600		ug/kg	570	130	5
Benzo(ghi)perylene	4000		ug/kg	760	240	5
Fluorene	380	J	ug/kg	950	180	5
Phenanthrene	6900		ug/kg	570	160	5
Dibenzo(a,h)anthracene	1600		ug/kg	570	180	5
Indeno(1,2,3-cd)Pyrene	3300		ug/kg	760	230	5
Pyrene	8800		ug/kg	570	160	5
Biphenyl	ND		ug/kg	2200	660	5
4-Chloroaniline	ND		ug/kg	950	320	5
2-Nitroaniline	ND		ug/kg	950	180	5
3-Nitroaniline	ND		ug/kg	950	110	5
4-Nitroaniline	ND		ug/kg	950	580	5
Dibenzofuran	310	J	ug/kg	950	200	5
2-Methylnaphthalene	ND		ug/kg	1100	380	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	950	300	5
Acetophenone	ND		ug/kg	950	310	5
2,4,6-Trichlorophenol	ND		ug/kg	570	170	5
P-Chloro-M-Cresol	ND		ug/kg	950	190	5
2-Chlorophenol	ND		ug/kg	950	300	5
2,4-Dichlorophenol	ND		ug/kg	860	280	5
2,4-Dimethylphenol	ND		ug/kg	950	390	5
2-Nitrophenol	ND		ug/kg	2000	690	5
4-Nitrophenol	ND		ug/kg	1300	410	5
2,4-Dinitrophenol	ND		ug/kg	4600	1500	5
4,6-Dinitro-o-cresol	ND		ug/kg	2500	900	5
Pentachlorophenol	ND		ug/kg	760	220	5
Phenol	ND		ug/kg	950	300	5
2-Methylphenol	ND		ug/kg	950	230	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	410	5
2,4,5-Trichlorophenol	ND		ug/kg	950	220	5
Benzoic Acid	ND		ug/kg	3100	810	5
Benzyl Alcohol	ND		ug/kg	950	220	5
Carbazole	730	J	ug/kg	950	150	5

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-15 D Date Collected: 12/28/11 15:26

Client ID: SB-8 (4-5) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	50		0-136
4-Terphenyl-d14	64		18-120

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-16	D	Date Collected:	12/28/11 15:32
Client ID:	SB-8 (14-15)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270C		Extraction Date:	12/31/11 09:00
Analytical Date:	01/04/12 23:09			
Analyst:	JC			
Percent Solids:	79%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	330	90.	2
1,2,4-Trichlorobenzene	ND		ug/kg	420	120	2
Hexachlorobenzene	ND		ug/kg	250	65.	2
Bis(2-chloroethyl)ether	ND		ug/kg	380	79.	2
2-Chloronaphthalene	ND		ug/kg	420	120	2
1,2-Dichlorobenzene	ND		ug/kg	420	120	2
1,3-Dichlorobenzene	ND		ug/kg	420	130	2
1,4-Dichlorobenzene	ND		ug/kg	420	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	420	150	2
2,4-Dinitrotoluene	ND		ug/kg	420	120	2
2,6-Dinitrotoluene	ND		ug/kg	420	140	2
Fluoranthene	330		ug/kg	250	54.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	420	74.	2
4-Bromophenyl phenyl ether	ND		ug/kg	420	87.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	500	120	2
Bis(2-chloroethoxy)methane	ND		ug/kg	450	100	2
Hexachlorobutadiene	ND		ug/kg	420	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1200	330	2
Hexachloroethane	ND		ug/kg	330	60.	2
Isophorone	ND		ug/kg	380	99.	2
Naphthalene	2100		ug/kg	420	130	2
Nitrobenzene	ND		ug/kg	380	120	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	330	100	2
n-Nitrosodi-n-propylamine	ND		ug/kg	420	120	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	420	86.	2
Butyl benzyl phthalate	ND		ug/kg	420	120	2
Di-n-butylphthalate	ND		ug/kg	420	71.	2
Di-n-octylphthalate	ND		ug/kg	420	110	2
Diethyl phthalate	ND		ug/kg	420	72.	2
Dimethyl phthalate	ND		ug/kg	420	69.	2
Benzo(a)anthracene	ND		ug/kg	250	82.	2

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-16 D Date Collected: 12/28/11 15:32

Client ID: SB-8 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	330	99.	2
Benzo(b)fluoranthene	ND		ug/kg	250	74.	2
Benzo(k)fluoranthene	ND		ug/kg	250	64.	2
Chrysene	76	J	ug/kg	250	65.	2
Acenaphthylene	ND		ug/kg	330	110	2
Anthracene	80	J	ug/kg	250	58.	2
Benzo(ghi)perylene	ND		ug/kg	330	100	2
Fluorene	ND		ug/kg	420	77.	2
Phenanthrene	610		ug/kg	250	70.	2
Dibenzo(a,h)anthracene	ND		ug/kg	250	77.	2
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	330	100	2
Pyrene	210	J	ug/kg	250	69.	2
Biphenyl	ND		ug/kg	950	290	2
4-Chloroaniline	ND		ug/kg	420	140	2
2-Nitroaniline	ND		ug/kg	420	76.	2
3-Nitroaniline	ND		ug/kg	420	47.	2
4-Nitroaniline	ND		ug/kg	420	250	2
Dibenzofuran	140	J	ug/kg	420	86.	2
2-Methylnaphthalene	8300		ug/kg	500	160	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	420	130	2
Acetophenone	ND		ug/kg	420	130	2
2,4,6-Trichlorophenol	ND		ug/kg	250	76.	2
P-Chloro-M-Cresol	ND		ug/kg	420	85.	2
2-Chlorophenol	ND		ug/kg	420	130	2
2,4-Dichlorophenol	ND		ug/kg	380	120	2
2,4-Dimethylphenol	ND		ug/kg	420	170	2
2-Nitrophenol	ND		ug/kg	900	300	2
4-Nitrophenol	ND		ug/kg	580	180	2
2,4-Dinitrophenol	ND		ug/kg	2000	640	2
4,6-Dinitro-o-cresol	ND		ug/kg	1100	390	2
Pentachlorophenol	ND		ug/kg	330	99.	2
Phenol	ND		ug/kg	420	130	2
2-Methylphenol	ND		ug/kg	420	100	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	600	180	2
2,4,5-Trichlorophenol	ND		ug/kg	420	97.	2
Benzoic Acid	ND		ug/kg	1400	350	2
Benzyl Alcohol	ND		ug/kg	420	97.	2
Carbazole	ND		ug/kg	420	67.	2

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-16 D Date Collected: 12/28/11 15:32

Client ID: SB-8 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	84		0-136
4-Terphenyl-d14	68		18-120

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-17	Date Collected:	12/28/11 15:55
Client ID:	SB-9 (3-4)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	12/31/11 09:00
Analytical Date:	01/05/12 00:18		
Analyst:	JC		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	54.	1
Hexachlorobenzene	ND		ug/kg	110	29.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	35.	1
2-Chloronaphthalene	ND		ug/kg	180	56.	1
1,2-Dichlorobenzene	ND		ug/kg	180	54.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	67.	1
2,4-Dinitrotoluene	ND		ug/kg	180	55.	1
2,6-Dinitrotoluene	ND		ug/kg	180	61.	1
Fluoranthene	ND		ug/kg	110	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	33.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	52.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	46.	1
Hexachlorobutadiene	ND		ug/kg	180	49.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	150	1
Hexachloroethane	ND		ug/kg	150	27.	1
Isophorone	ND		ug/kg	170	44.	1
Naphthalene	ND		ug/kg	180	59.	1
Nitrobenzene	ND		ug/kg	170	54.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	46.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	52.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	38.	1
Butyl benzyl phthalate	ND		ug/kg	180	52.	1
Di-n-butylphthalate	ND		ug/kg	180	32.	1
Di-n-octylphthalate	ND		ug/kg	180	50.	1
Diethyl phthalate	ND		ug/kg	180	32.	1
Dimethyl phthalate	ND		ug/kg	180	30.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-17 Date Collected: 12/28/11 15:55

Client ID: SB-9 (3-4) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	33.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	29.	1
Acenaphthylene	ND		ug/kg	150	48.	1
Anthracene	ND		ug/kg	110	26.	1
Benzo(ghi)perylene	ND		ug/kg	150	47.	1
Fluorene	ND		ug/kg	180	34.	1
Phenanthrene	ND		ug/kg	110	31.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	34.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	45.	1
Pyrene	ND		ug/kg	110	30.	1
Biphenyl	ND		ug/kg	420	130	1
4-Chloroaniline	ND		ug/kg	180	62.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	21.	1
4-Nitroaniline	ND		ug/kg	180	110	1
Dibenzofuran	ND		ug/kg	180	38.	1
2-Methylnaphthalene	ND		ug/kg	220	73.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	59.	1
Acetophenone	ND		ug/kg	180	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	38.	1
2-Chlorophenol	ND		ug/kg	180	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	54.	1
2,4-Dimethylphenol	ND		ug/kg	180	76.	1
2-Nitrophenol	ND		ug/kg	400	130	1
4-Nitrophenol	ND		ug/kg	260	79.	1
2,4-Dinitrophenol	ND		ug/kg	890	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	170	1
Pentachlorophenol	ND		ug/kg	150	44.	1
Phenol	ND		ug/kg	180	58.	1
2-Methylphenol	ND		ug/kg	180	46.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	80.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	43.	1
Benzoic Acid	ND		ug/kg	600	160	1
Benzyl Alcohol	ND		ug/kg	180	43.	1
Carbazole	ND		ug/kg	180	30.	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-17 Date Collected: 12/28/11 15:55

Client ID: SB-9 (3-4) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		25-120
Phenol-d6	24		10-120
Nitrobenzene-d5	28		23-120
2-Fluorobiphenyl	**29**	Q	30-120
2,4,6-Tribromophenol	21		0-136
4-Terphenyl-d14	35		18-120

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-18	D	Date Collected:	12/28/11 16:03
Client ID:	SB-9 (14-15)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270C		Extraction Date:	12/31/11 09:00
Analytical Date:	01/05/12 00:41			
Analyst:	JC			
Percent Solids:	85%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	310	84.	2
1,2,4-Trichlorobenzene	ND		ug/kg	390	110	2
Hexachlorobenzene	ND		ug/kg	230	60.	2
Bis(2-chloroethyl)ether	ND		ug/kg	350	73.	2
2-Chloronaphthalene	ND		ug/kg	390	120	2
1,2-Dichlorobenzene	ND		ug/kg	390	110	2
1,3-Dichlorobenzene	ND		ug/kg	390	120	2
1,4-Dichlorobenzene	ND		ug/kg	390	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	390	140	2
2,4-Dinitrotoluene	ND		ug/kg	390	120	2
2,6-Dinitrotoluene	ND		ug/kg	390	130	2
Fluoranthene	290		ug/kg	230	50.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	390	68.	2
4-Bromophenyl phenyl ether	ND		ug/kg	390	80.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	110	2
Bis(2-chloroethoxy)methane	ND		ug/kg	420	97.	2
Hexachlorobutadiene	ND		ug/kg	390	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	300	2
Hexachloroethane	ND		ug/kg	310	56.	2
Isophorone	ND		ug/kg	350	92.	2
Naphthalene	630		ug/kg	390	120	2
Nitrobenzene	ND		ug/kg	350	110	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	310	97.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	390	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	390	80.	2
Butyl benzyl phthalate	ND		ug/kg	390	110	2
Di-n-butylphthalate	ND		ug/kg	390	66.	2
Di-n-octylphthalate	ND		ug/kg	390	100	2
Diethyl phthalate	ND		ug/kg	390	67.	2
Dimethyl phthalate	ND		ug/kg	390	64.	2
Benzo(a)anthracene	ND		ug/kg	230	76.	2

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-18 D Date Collected: 12/28/11 16:03

Client ID: SB-9 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	310	92.	2
Benzo(b)fluoranthene	ND		ug/kg	230	68.	2
Benzo(k)fluoranthene	ND		ug/kg	230	60.	2
Chrysene	91	J	ug/kg	230	60.	2
Acenaphthylene	ND		ug/kg	310	100	2
Anthracene	ND		ug/kg	230	54.	2
Benzo(ghi)perylene	ND		ug/kg	310	98.	2
Fluorene	ND		ug/kg	390	71.	2
Phenanthrene	210	J	ug/kg	230	64.	2
Dibenzo(a,h)anthracene	ND		ug/kg	230	72.	2
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	310	94.	2
Pyrene	100	J	ug/kg	230	64.	2
Biphenyl	ND		ug/kg	880	270	2
4-Chloroaniline	ND		ug/kg	390	130	2
2-Nitroaniline	ND		ug/kg	390	71.	2
3-Nitroaniline	ND		ug/kg	390	43.	2
4-Nitroaniline	ND		ug/kg	390	240	2
Dibenzofuran	ND		ug/kg	390	80.	2
2-Methylnaphthalene	500		ug/kg	460	150	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	390	120	2
Acetophenone	ND		ug/kg	390	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	71.	2
P-Chloro-M-Cresol	ND		ug/kg	390	79.	2
2-Chlorophenol	ND		ug/kg	390	120	2
2,4-Dichlorophenol	ND		ug/kg	350	110	2
2,4-Dimethylphenol	ND		ug/kg	390	160	2
2-Nitrophenol	ND		ug/kg	840	280	2
4-Nitrophenol	ND		ug/kg	540	160	2
2,4-Dinitrophenol	ND		ug/kg	1800	600	2
4,6-Dinitro-o-cresol	ND		ug/kg	1000	360	2
Pentachlorophenol	ND		ug/kg	310	92.	2
Phenol	ND		ug/kg	390	120	2
2-Methylphenol	ND		ug/kg	390	95.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	560	170	2
2,4,5-Trichlorophenol	ND		ug/kg	390	90.	2
Benzoic Acid	ND		ug/kg	1200	330	2
Benzyl Alcohol	ND		ug/kg	390	90.	2
Carbazole	ND		ug/kg	390	62.	2

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-18 D Date Collected: 12/28/11 16:03

Client ID: SB-9 (14-15) Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	70		18-120

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-19	D	Date Collected:	12/29/11 11:31
Client ID:	SB-10 (11-12)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270C		Extraction Date:	12/31/11 09:00
Analytical Date:	01/04/12 23:32			
Analyst:	JC			
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	300	82.	2
Fluoranthene	500		ug/kg	230	50.	2
Naphthalene	ND		ug/kg	380	120	2
Benzo(a)anthracene	290		ug/kg	230	75.	2
Benzo(a)pyrene	240	J	ug/kg	300	90.	2
Benzo(b)fluoranthene	220	J	ug/kg	230	67.	2
Benzo(k)fluoranthene	220	J	ug/kg	230	58.	2
Chrysene	280		ug/kg	230	59.	2
Acenaphthylene	ND		ug/kg	300	98.	2
Anthracene	110	J	ug/kg	230	52.	2
Benzo(ghi)perylene	ND		ug/kg	300	96.	2
Fluorene	ND		ug/kg	380	70.	2
Phenanthrene	500		ug/kg	230	63.	2
Dibenzo(a,h)anthracene	ND		ug/kg	230	70.	2
Indeno(1,2,3-cd)Pyrene	100	J	ug/kg	300	92.	2
Pyrene	520		ug/kg	230	62.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	66		30-120
4-Terphenyl-d14	72		18-120

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-20	D2	Date Collected:	12/29/11 11:35
Client ID:	SB-11 (14-15)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270C		Extraction Date:	12/31/11 09:00
Analytical Date:	01/06/12 05:38			
Analyst:	JC			
Percent Solids:	83%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenanthrene	21000		ug/kg	480	130	4

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-20	D	Date Collected:	12/29/11 11:35
Client ID:	SB-11 (14-15)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270C		Extraction Date:	12/31/11 09:00
Analytical Date:	01/04/12 23:55			
Analyst:	JC			
Percent Solids:	83%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	320	86.	2
Fluoranthene	ND		ug/kg	240	52.	2
Naphthalene	3200		ug/kg	400	130	2
Benzo(a)anthracene	ND		ug/kg	240	79.	2
Benzo(a)pyrene	ND		ug/kg	320	95.	2
Benzo(b)fluoranthene	ND		ug/kg	240	70.	2
Benzo(k)fluoranthene	ND		ug/kg	240	61.	2
Chrysene	ND		ug/kg	240	62.	2
Acenaphthylene	ND		ug/kg	320	100	2
Anthracene	1500		ug/kg	240	55.	2
Benzo(ghi)perylene	ND		ug/kg	320	100	2
Fluorene	5400		ug/kg	400	73.	2
Phenanthrene	24000	E	ug/kg	240	66.	2
Dibenzo(a,h)anthracene	ND		ug/kg	240	74.	2
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	320	97.	2
Pyrene	430		ug/kg	240	66.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	42		23-120
2-Fluorobiphenyl	53		30-120
4-Terphenyl-d14	63		18-120

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-21	Date Collected:	12/29/11 12:46
Client ID:	SB-11A (14-15)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	01/03/12 18:30
Analytical Date:	01/05/12 15:41		
Analyst:	RC		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1500		ug/kg	160	42.	1
Fluoranthene	3700		ug/kg	120	26.	1
Naphthalene	820		ug/kg	200	62.	1
Benzo(a)anthracene	1300		ug/kg	120	39.	1
Benzo(a)pyrene	1100		ug/kg	160	47.	1
Benzo(b)fluoranthene	1400		ug/kg	120	35.	1
Benzo(k)fluoranthene	570		ug/kg	120	30.	1
Chrysene	1200		ug/kg	120	30.	1
Acenaphthylene	1900		ug/kg	160	51.	1
Anthracene	1900		ug/kg	120	27.	1
Benzo(ghi)perylene	660		ug/kg	160	49.	1
Fluorene	1700		ug/kg	200	36.	1
Phenanthrene	8900		ug/kg	120	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	36.	1
Indeno(1,2,3-cd)Pyrene	740		ug/kg	160	48.	1
Pyrene	3200		ug/kg	120	32.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	88		30-120
4-Terphenyl-d14	69		18-120

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-22	Date Collected:	12/29/11 11:40
Client ID:	SB-12 (11-12)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	01/03/12 18:30
Analytical Date:	01/05/12 16:06		
Analyst:	RC		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	430		ug/kg	150	41.	1
Fluoranthene	3100		ug/kg	110	25.	1
Naphthalene	200		ug/kg	190	61.	1
Benzo(a)anthracene	1300		ug/kg	110	38.	1
Benzo(a)pyrene	1000		ug/kg	150	46.	1
Benzo(b)fluoranthene	1400		ug/kg	110	34.	1
Benzo(k)fluoranthene	450		ug/kg	110	30.	1
Chrysene	1200		ug/kg	110	30.	1
Acenaphthylene	430		ug/kg	150	50.	1
Anthracene	810		ug/kg	110	26.	1
Benzo(ghi)perylene	620		ug/kg	150	48.	1
Fluorene	320		ug/kg	190	35.	1
Phenanthrene	4300		ug/kg	110	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	690		ug/kg	150	47.	1
Pyrene	2700		ug/kg	110	32.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	80		30-120
4-Terphenyl-d14	76		18-120

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-23	Date Collected:	12/29/11 11:47
Client ID:	SB-13 (14-15)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	01/03/12 18:30
Analytical Date:	01/05/12 16:31		
Analyst:	RC		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	41.	1
Fluoranthene	ND		ug/kg	110	25.	1
Naphthalene	ND		ug/kg	190	60.	1
Benzo(a)anthracene	ND		ug/kg	110	38.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	34.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	30.	1
Acenaphthylene	ND		ug/kg	150	49.	1
Anthracene	ND		ug/kg	110	26.	1
Benzo(ghi)perylene	ND		ug/kg	150	48.	1
Fluorene	ND		ug/kg	190	35.	1
Phenanthrene	ND		ug/kg	110	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	46.	1
Pyrene	ND		ug/kg	110	31.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	**121**	Q	30-120
4-Terphenyl-d14	49		18-120

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-24	Date Collected:	12/28/11 10:25
Client ID:	TW-1	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 08:58
Analytical Date:	01/03/12 15:44		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.17	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.15	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	106		10-120
4-Terphenyl-d14	93		41-149

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-24	Date Collected:	12/28/11 10:25
Client ID:	TW-1	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 09:01
Analytical Date:	01/04/12 16:39		
Analyst:	HL		

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

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-24 Date Collected: 12/28/11 10:25

Client ID: TW-1 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	91		15-120
2,4,6-Tribromophenol	105		10-120
4-Terphenyl-d14	101		41-149

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-25
Client ID: TW-2
Sample Location: 547 10TH AVE.
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 01/03/12 16:11
Analyst: JC

Date Collected: 12/28/11 11:07
Date Received: 12/30/11
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 01/02/12 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.06	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.57		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.07	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.17	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	102		10-120
4-Terphenyl-d14	92		41-149

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-25	Date Collected:	12/28/11 11:07
Client ID:	TW-2	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 09:01
Analytical Date:	01/04/12 17:02		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	2.9	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	ND		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-25 Date Collected: 12/28/11 11:07

Client ID: TW-2 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	89		41-149

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-26	Date Collected:	12/28/11 14:55
Client ID:	TW-4	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 08:58
Analytical Date:	01/03/12 16:38		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.08	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	109		10-120
4-Terphenyl-d14	93		41-149

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-26	Date Collected:	12/28/11 14:55
Client ID:	TW-4	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 09:01
Analytical Date:	01/04/12 17:25		
Analyst:	HL		

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

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-26 Date Collected: 12/28/11 14:55

Client ID: TW-4 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	86		41-149

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-27	Date Collected:	12/29/11 09:39
Client ID:	TW-7	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 08:58
Analytical Date:	01/03/12 17:05		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.06	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.98		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	0.11	J	ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.07	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	0.11	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	90		41-149

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-27	Date Collected:	12/29/11 09:39
Client ID:	TW-7	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 09:01
Analytical Date:	01/04/12 17:48		
Analyst:	HL		

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

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-27 Date Collected: 12/29/11 09:39

Client ID: TW-7 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	94		41-149

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-28	Date Collected:	12/29/11 11:39
Client ID:	TW-8	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 08:58
Analytical Date:	01/03/12 17:32		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.07	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.13	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.12	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.07	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	0.06	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	49		10-120
4-Terphenyl-d14	88		41-149

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-28	Date Collected:	12/29/11 11:39
Client ID:	TW-8	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 09:01
Analytical Date:	01/04/12 18:11		
Analyst:	HL		

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

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-28 Date Collected: 12/29/11 11:39

Client ID: TW-8 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	76		41-149

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-29	Date Collected:	12/29/11 08:58
Client ID:	TW-9	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 08:58
Analytical Date:	01/03/12 17:59		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.11	J	ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.10	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	160	E	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.16	J	ug/l	0.20	0.06	1
Phenanthrene	0.21		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.09	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	53	E	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	70		41-149

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-29	Date Collected:	12/29/11 08:58
Client ID:	TW-9	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 09:01
Analytical Date:	01/04/12 18:34		
Analyst:	HL		

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

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-29 Date Collected: 12/29/11 08:58

Client ID: TW-9 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	86		41-149

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-29	D	Date Collected:	12/29/11 08:58
Client ID:	TW-9		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Water		Extraction Method:	EPA 3510C
Analytical Method:	1,8270C		Extraction Date:	01/02/12 08:58
Analytical Date:	01/04/12 13:14			
Analyst:	JC			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	270		ug/l	4.0	1.3	20
2-Methylnaphthalene	66		ug/l	4.0	1.2	20

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-32	Date Collected:	12/30/11 12:15
Client ID:	MW-1	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 08:58
Analytical Date:	01/03/12 18:26		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.55		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.14	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	3.2		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.99		ug/l	0.20	0.06	1
Phenanthrene	0.38		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.17	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	0.28		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	86		41-149

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-32	Date Collected:	12/30/11 12:15
Client ID:	MW-1	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 09:01
Analytical Date:	01/04/12 18:57		
Analyst:	HL		

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

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-32 Date Collected: 12/30/11 12:15

Client ID: MW-1 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	96		41-149

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-33	Date Collected:	12/30/11 13:14
Client ID:	MW-2	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 08:58
Analytical Date:	01/03/12 18:53		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.10	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.08	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.09	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	81		41-149

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-33	Date Collected:	12/30/11 13:14
Client ID:	MW-2	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 09:01
Analytical Date:	01/04/12 19:20		
Analyst:	HL		

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

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-33 Date Collected: 12/30/11 13:14

Client ID: MW-2 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	87		41-149

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-34	Date Collected:	12/30/11 13:56
Client ID:	MW-3	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 08:58
Analytical Date:	01/03/12 19:20		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.38		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.20		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.36		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.08	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	0.08	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.06	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.37		ug/l	0.20	0.06	1
Phenanthrene	0.10	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.18	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	0.12	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	88		41-149

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-34	Date Collected:	12/30/11 13:56
Client ID:	MW-3	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 09:01
Analytical Date:	01/04/12 19:43		
Analyst:	HL		

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

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-34 Date Collected: 12/30/11 13:56

Client ID: MW-3 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	89		41-149

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-35	Date Collected:	12/30/11 14:40
Client ID:	MW-4	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 08:58
Analytical Date:	01/03/12 19:47		
Analyst:	JC		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	3.7		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.28		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	1.1		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.77		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	9.6		ug/l	0.20	0.06	1
Phenanthrene	6.2		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.32		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	95		41-149

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-35	Date Collected:	12/30/11 14:40
Client ID:	MW-4	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	01/02/12 09:01
Analytical Date:	01/04/12 20:06		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40	1
Hexachlorocyclopentadiene	ND		ug/l	20	2.1	1
Isophorone	ND		ug/l	5.0	0.35	1
Nitrobenzene	ND		ug/l	2.0	0.50	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	0.46	1
Di-n-butylphthalate	ND		ug/l	5.0	0.54	1
Di-n-octylphthalate	ND		ug/l	5.0	0.53	1
Diethyl phthalate	ND		ug/l	5.0	0.45	1
Dimethyl phthalate	ND		ug/l	5.0	0.45	1
Biphenyl	ND		ug/l	2.0	0.50	1
4-Chloroaniline	ND		ug/l	5.0	0.83	1
2-Nitroaniline	ND		ug/l	5.0	0.40	1
3-Nitroaniline	ND		ug/l	5.0	0.59	1
4-Nitroaniline	ND		ug/l	5.0	0.55	1
Dibenzofuran	3.6		ug/l	2.0	0.47	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65	1
Acetophenone	ND		ug/l	5.0	0.55	1

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-35 Date Collected: 12/30/11 14:40

Client ID: MW-4 Date Received: 12/30/11

Sample Location: 547 10TH AVE. Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	86		41-149

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 01/03/12 15:18
Analyst: JC

Extraction Method: EPA 3546
Extraction Date: 12/31/11 08:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-20 Batch: WG511412-1					
Acenaphthene	ND		ug/kg	130	36.
1,2,4-Trichlorobenzene	ND		ug/kg	160	48.
Hexachlorobenzene	ND		ug/kg	99	26.
Bis(2-chloroethyl)ether	ND		ug/kg	150	31.
2-Chloronaphthalene	ND		ug/kg	160	50.
1,2-Dichlorobenzene	ND		ug/kg	160	49.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	47.
3,3'-Dichlorobenzidine	ND		ug/kg	160	60.
2,4-Dinitrotoluene	ND		ug/kg	160	50.
2,6-Dinitrotoluene	ND		ug/kg	160	54.
Fluoranthene	ND		ug/kg	99	22.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	29.
4-Bromophenyl phenyl ether	ND		ug/kg	160	34.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	47.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	42.
Hexachlorobutadiene	ND		ug/kg	160	44.
Hexachlorocyclopentadiene	ND		ug/kg	470	130
Hexachloroethane	ND		ug/kg	130	24.
Isophorone	ND		ug/kg	150	39.
Naphthalene	ND		ug/kg	160	52.
Nitrobenzene	ND		ug/kg	150	48.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	42.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	46.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	34.
Butyl benzyl phthalate	ND		ug/kg	160	46.
Di-n-butylphthalate	ND		ug/kg	160	28.
Di-n-octylphthalate	ND		ug/kg	160	45.
Diethyl phthalate	ND		ug/kg	160	29.
Dimethyl phthalate	ND		ug/kg	160	27.
Benzo(a)anthracene	ND		ug/kg	99	33.

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 01/03/12 15:18
Analyst: JC

Extraction Method: EPA 3546
Extraction Date: 12/31/11 08:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-20 Batch: WG511412-1					
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	99	29.
Benzo(k)fluoranthene	ND		ug/kg	99	25.
Chrysene	ND		ug/kg	99	26.
Acenaphthylene	ND		ug/kg	130	43.
Anthracene	ND		ug/kg	99	23.
Benzo(ghi)perylene	ND		ug/kg	130	42.
Fluorene	ND		ug/kg	160	30.
Phenanthrene	ND		ug/kg	99	28.
Dibenzo(a,h)anthracene	ND		ug/kg	99	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	40.
Pyrene	ND		ug/kg	99	27.
Biphenyl	ND		ug/kg	380	120
4-Chloroaniline	ND		ug/kg	160	56.
2-Nitroaniline	ND		ug/kg	160	30.
3-Nitroaniline	ND		ug/kg	160	18.
4-Nitroaniline	ND		ug/kg	160	100
Dibenzofuran	ND		ug/kg	160	34.
2-Methylnaphthalene	ND		ug/kg	200	65.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	53.
Acetophenone	ND		ug/kg	160	53.
2,4,6-Trichlorophenol	ND		ug/kg	99	30.
P-Chloro-M-Cresol	ND		ug/kg	160	34.
2-Chlorophenol	ND		ug/kg	160	52.
2,4-Dichlorophenol	ND		ug/kg	150	48.
2,4-Dimethylphenol	ND		ug/kg	160	68.
2-Nitrophenol	ND		ug/kg	360	120
4-Nitrophenol	ND		ug/kg	230	70.
2,4-Dinitrophenol	ND		ug/kg	790	260
4,6-Dinitro-o-cresol	ND		ug/kg	430	160
Pentachlorophenol	ND		ug/kg	130	39.

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 01/03/12 15:18
Analyst: JC

Extraction Method: EPA 3546
Extraction Date: 12/31/11 08:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-20 Batch: WG511412-1					
Phenol	ND		ug/kg	160	52.
2-Methylphenol	ND		ug/kg	160	41.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	71.
2,4,5-Trichlorophenol	ND		ug/kg	160	38.
Benzoic Acid	ND		ug/kg	540	140
Benzyl Alcohol	ND		ug/kg	160	38.
Carbazole	ND		ug/kg	160	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	63		0-136
4-Terphenyl-d14	61		18-120

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 01/03/12 14:23
Analyst: JC

Extraction Method: EPA 3510C
Extraction Date: 01/02/12 08:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 24-29,32-35 Batch: WG511444-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 01/03/12 14:23
Analyst: JC

Extraction Method: EPA 3510C
Extraction Date: 01/02/12 08:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 24-29,32-35 Batch: WG511444-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	92		41-149

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 01/04/12 21:59
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 01/02/12 09:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 24-29,32-35 Batch: WG511445-1					
Acenaphthene	ND		ug/l	2.0	0.55
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.67
Hexachlorobenzene	ND		ug/l	2.0	0.65
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
2-Chloronaphthalene	ND		ug/l	2.0	0.47
1,2-Dichlorobenzene	ND		ug/l	2.0	0.55
1,3-Dichlorobenzene	ND		ug/l	2.0	0.55
1,4-Dichlorobenzene	ND		ug/l	2.0	0.55
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.85
2,4-Dinitrotoluene	ND		ug/l	5.0	0.45
2,6-Dinitrotoluene	ND		ug/l	5.0	0.46
Fluoranthene	ND		ug/l	2.0	0.51
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.67
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.50
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.40
Hexachlorobutadiene	ND		ug/l	2.0	0.81
Hexachlorocyclopentadiene	ND		ug/l	20	2.1
Hexachloroethane	ND		ug/l	2.0	0.66
Isophorone	ND		ug/l	5.0	0.35
Naphthalene	ND		ug/l	2.0	0.72
Nitrobenzene	ND		ug/l	2.0	0.50
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.70
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.39
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	0.46
Di-n-butylphthalate	ND		ug/l	5.0	0.54
Di-n-octylphthalate	ND		ug/l	5.0	0.53
Diethyl phthalate	ND		ug/l	5.0	0.45
Dimethyl phthalate	ND		ug/l	5.0	0.45

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 01/04/12 21:59
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 01/02/12 09:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 24-29,32-35 Batch: WG511445-1					
Benzo(a)anthracene	ND		ug/l	2.0	0.82
Benzo(a)pyrene	ND		ug/l	2.0	0.48
Benzo(b)fluoranthene	ND		ug/l	2.0	0.48
Benzo(k)fluoranthene	ND		ug/l	2.0	0.48
Chrysene	ND		ug/l	2.0	0.56
Acenaphthylene	ND		ug/l	2.0	0.50
Anthracene	ND		ug/l	2.0	0.47
Benzo(ghi)perylene	ND		ug/l	2.0	0.53
Fluorene	ND		ug/l	2.0	0.49
Phenanthrene	ND		ug/l	2.0	0.49
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.48
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.48
Pyrene	ND		ug/l	2.0	0.44
Biphenyl	ND		ug/l	2.0	0.50
4-Chloroaniline	ND		ug/l	5.0	0.83
2-Nitroaniline	ND		ug/l	5.0	0.40
3-Nitroaniline	ND		ug/l	5.0	0.59
4-Nitroaniline	ND		ug/l	5.0	0.55
Dibenzofuran	ND		ug/l	2.0	0.47
2-Methylnaphthalene	ND		ug/l	2.0	0.55
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.65
Acetophenone	ND		ug/l	5.0	0.55
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.45
P-Chloro-M-Cresol	ND		ug/l	2.0	0.50
2-Chlorophenol	ND		ug/l	2.0	0.34
2,4-Dichlorophenol	ND		ug/l	5.0	0.43
2,4-Dimethylphenol	ND		ug/l	5.0	1.2
2-Nitrophenol	ND		ug/l	10	0.48
4-Nitrophenol	ND		ug/l	10	1.2
2,4-Dinitrophenol	ND		ug/l	20	1.4

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 01/04/12 21:59
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 01/02/12 09:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 24-29,32-35 Batch: WG511445-1					
4,6-Dinitro-o-cresol	ND		ug/l	10	0.59
Pentachlorophenol	ND		ug/l	10	1.2
Phenol	ND		ug/l	5.0	0.26
2-Methylphenol	ND		ug/l	5.0	0.53
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.47
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.45
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.47
Carbazole	ND		ug/l	2.0	0.53

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	106		41-149

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 01/05/12 14:26
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 01/03/12 18:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 21-23 Batch: WG511658-1					
Acenaphthene	ND		ug/kg	130	36.
1,2,4-Trichlorobenzene	ND		ug/kg	160	48.
Hexachlorobenzene	ND		ug/kg	99	26.
Bis(2-chloroethyl)ether	ND		ug/kg	150	31.
2-Chloronaphthalene	ND		ug/kg	160	50.
1,2-Dichlorobenzene	ND		ug/kg	160	49.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	47.
3,3'-Dichlorobenzidine	ND		ug/kg	160	60.
2,4-Dinitrotoluene	ND		ug/kg	160	50.
2,6-Dinitrotoluene	ND		ug/kg	160	54.
Fluoranthene	ND		ug/kg	99	22.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	29.
4-Bromophenyl phenyl ether	ND		ug/kg	160	34.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	47.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	42.
Hexachlorobutadiene	ND		ug/kg	160	44.
Hexachlorocyclopentadiene	ND		ug/kg	470	130
Hexachloroethane	ND		ug/kg	130	24.
Isophorone	ND		ug/kg	150	39.
Naphthalene	ND		ug/kg	160	52.
Nitrobenzene	ND		ug/kg	150	48.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	42.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	46.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	34.
Butyl benzyl phthalate	ND		ug/kg	160	46.
Di-n-butylphthalate	ND		ug/kg	160	28.
Di-n-octylphthalate	ND		ug/kg	160	45.
Diethyl phthalate	ND		ug/kg	160	29.
Dimethyl phthalate	ND		ug/kg	160	27.
Benzo(a)anthracene	ND		ug/kg	99	33.

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 01/05/12 14:26
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 01/03/12 18:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 21-23 Batch: WG511658-1					
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	99	29.
Benzo(k)fluoranthene	ND		ug/kg	99	25.
Chrysene	ND		ug/kg	99	26.
Acenaphthylene	ND		ug/kg	130	43.
Anthracene	ND		ug/kg	99	23.
Benzo(ghi)perylene	ND		ug/kg	130	42.
Fluorene	ND		ug/kg	160	30.
Phenanthrene	ND		ug/kg	99	28.
Dibenzo(a,h)anthracene	ND		ug/kg	99	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	40.
Pyrene	ND		ug/kg	99	27.
Biphenyl	ND		ug/kg	380	120
4-Chloroaniline	ND		ug/kg	160	56.
2-Nitroaniline	ND		ug/kg	160	30.
3-Nitroaniline	ND		ug/kg	160	18.
4-Nitroaniline	ND		ug/kg	160	100
Dibenzofuran	ND		ug/kg	160	34.
2-Methylnaphthalene	ND		ug/kg	200	65.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	53.
Acetophenone	ND		ug/kg	160	53.
2,4,6-Trichlorophenol	ND		ug/kg	99	30.
P-Chloro-M-Cresol	ND		ug/kg	160	34.
2-Chlorophenol	ND		ug/kg	160	52.
2,4-Dichlorophenol	ND		ug/kg	150	48.
2,4-Dimethylphenol	ND		ug/kg	160	68.
2-Nitrophenol	ND		ug/kg	360	120
4-Nitrophenol	ND		ug/kg	230	70.
2,4-Dinitrophenol	ND		ug/kg	790	260
4,6-Dinitro-o-cresol	ND		ug/kg	430	160
Pentachlorophenol	ND		ug/kg	130	39.

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 01/05/12 14:26
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 01/03/12 18:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 21-23 Batch: WG511658-1					
Phenol	ND		ug/kg	160	52.
2-Methylphenol	ND		ug/kg	160	41.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	71.
2,4,5-Trichlorophenol	ND		ug/kg	160	38.
Benzoic Acid	ND		ug/kg	540	140
Benzyl Alcohol	ND		ug/kg	160	38.
Carbazole	ND		ug/kg	160	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	110		0-136
4-Terphenyl-d14	82		18-120

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 01/09/12 12:25
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 01/09/12 07:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG512537-1					
Acenaphthene	ND		ug/kg	130	36.
1,2,4-Trichlorobenzene	ND		ug/kg	170	48.
Hexachlorobenzene	ND		ug/kg	100	26.
Bis(2-chloroethyl)ether	ND		ug/kg	150	31.
2-Chloronaphthalene	ND		ug/kg	170	50.
1,2-Dichlorobenzene	ND		ug/kg	170	49.
1,3-Dichlorobenzene	ND		ug/kg	170	51.
1,4-Dichlorobenzene	ND		ug/kg	170	47.
3,3'-Dichlorobenzidine	ND		ug/kg	170	60.
2,4-Dinitrotoluene	ND		ug/kg	170	50.
2,6-Dinitrotoluene	ND		ug/kg	170	54.
Fluoranthene	ND		ug/kg	100	22.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	29.
4-Bromophenyl phenyl ether	ND		ug/kg	170	34.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	47.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	42.
Hexachlorobutadiene	ND		ug/kg	170	44.
Hexachlorocyclopentadiene	ND		ug/kg	480	130
Hexachloroethane	ND		ug/kg	130	24.
Isophorone	ND		ug/kg	150	40.
Naphthalene	ND		ug/kg	170	53.
Nitrobenzene	ND		ug/kg	150	48.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	42.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	46.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	34.
Butyl benzyl phthalate	ND		ug/kg	170	46.
Di-n-butylphthalate	ND		ug/kg	170	28.
Di-n-octylphthalate	ND		ug/kg	170	45.
Diethyl phthalate	ND		ug/kg	170	29.
Dimethyl phthalate	ND		ug/kg	170	27.
Benzo(a)anthracene	ND		ug/kg	100	33.

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 01/09/12 12:25
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 01/09/12 07:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG512537-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	29.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	26.
Acenaphthylene	ND		ug/kg	130	43.
Anthracene	ND		ug/kg	100	23.
Benzo(ghi)perylene	ND		ug/kg	130	42.
Fluorene	ND		ug/kg	170	30.
Phenanthrene	ND		ug/kg	100	28.
Dibenzo(a,h)anthracene	ND		ug/kg	100	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	40.
Pyrene	ND		ug/kg	100	27.
Biphenyl	ND		ug/kg	380	120
4-Chloroaniline	ND		ug/kg	170	56.
2-Nitroaniline	ND		ug/kg	170	30.
3-Nitroaniline	ND		ug/kg	170	19.
4-Nitroaniline	ND		ug/kg	170	100
Dibenzofuran	ND		ug/kg	170	34.
2-Methylnaphthalene	ND		ug/kg	200	65.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.
Acetophenone	ND		ug/kg	170	53.
2,4,6-Trichlorophenol	ND		ug/kg	100	30.
P-Chloro-M-Cresol	ND		ug/kg	170	34.
2-Chlorophenol	ND		ug/kg	170	52.
2,4-Dichlorophenol	ND		ug/kg	150	48.
2,4-Dimethylphenol	ND		ug/kg	170	68.
2-Nitrophenol	ND		ug/kg	360	120
4-Nitrophenol	ND		ug/kg	230	71.
2,4-Dinitrophenol	ND		ug/kg	800	260
4,6-Dinitro-o-cresol	ND		ug/kg	430	160
Pentachlorophenol	ND		ug/kg	130	39.

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 01/09/12 12:25
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 01/09/12 07:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG512537-1					
Phenol	ND		ug/kg	170	52.
2-Methylphenol	ND		ug/kg	170	41.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	72.
2,4,5-Trichlorophenol	ND		ug/kg	170	39.
Benzoic Acid	ND		ug/kg	540	140
Benzyl Alcohol	ND		ug/kg	170	38.
Carbazole	ND		ug/kg	170	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	94		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	80		0-136
4-Terphenyl-d14	92		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-20 Batch: WG511412-2 WG511412-3								
Acenaphthene	56		43		31-137	26		50
1,2,4-Trichlorobenzene	67		53		38-107	23		50
2-Chloronaphthalene	68		53		40-140	25		50
1,2-Dichlorobenzene	64		47		40-140	31		50
1,4-Dichlorobenzene	64		46		28-104	33		50
2,4-Dinitrotoluene	59		47		28-89	23		50
2,6-Dinitrotoluene	71		54		40-140	27		50
Fluoranthene	58		45		40-140	25		50
4-Chlorophenyl phenyl ether	61		47		40-140	26		50
n-Nitrosodi-n-propylamine	61		44		41-126	32		50
Butyl benzyl phthalate	54		41		40-140	27		50
Anthracene	57		44		40-140	26		50
Pyrene	58		45		35-142	25		50
P-Chloro-M-Cresol	68		52		26-103	27		50
2-Chlorophenol	71		49		25-102	37		50
2-Nitrophenol	76		56		30-130	30		50
4-Nitrophenol	78		61		11-114	24		50
2,4-Dinitrophenol	33		30		4-130	10		50
Pentachlorophenol	45		36		17-109	22		50
Phenol	63		46		31-133	31		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-20 Batch: WG511412-2 WG511412-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		47		25-120
Phenol-d6	65		48		10-120
Nitrobenzene-d5	68		50		23-120
2-Fluorobiphenyl	67		51		30-120
2,4,6-Tribromophenol	62		47		0-136
4-Terphenyl-d14	57		43		18-120

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 24-29,32-35 Batch: WG511444-2 WG511444-3								
Acenaphthene	76		74		37-111	3		40
2-Chloronaphthalene	69		68		40-140	1		40
Fluoranthene	99		97		40-140	2		40
Anthracene	96		93		40-140	3		40
Pyrene	100		97		26-127	3		40
Pentachlorophenol	85		86		9-103	1		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 24-29,32-35 Batch: WG511444-2 WG511444-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		60		21-120
Phenol-d6	38		43		10-120
Nitrobenzene-d5	95		91		23-120
2-Fluorobiphenyl	58		64		15-120
2,4,6-Tribromophenol	102		107		10-120
4-Terphenyl-d14	90		91		41-149

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 24-29,32-35 Batch: WG511445-2 WG511445-3

Acenaphthene	71		81		46-118	13		30
1,2,4-Trichlorobenzene	54		63		39-98	15		30
2-Chloronaphthalene	73		98		40-140	29		30
1,2-Dichlorobenzene	54		63		40-140	15		30
1,4-Dichlorobenzene	52		61		36-97	16		30
2,4-Dinitrotoluene	94		92		24-96	2		30
2,6-Dinitrotoluene	92		88		40-140	4		30
Fluoranthene	96		105		40-140	9		30
4-Chlorophenyl phenyl ether	83		96		40-140	15		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 24-29,32-35 Batch: WG511445-2 WG511445-3								
n-Nitrosodi-n-propylamine	74		74		41-116	0		30
Butyl benzyl phthalate	103		108		40-140	5		30
Anthracene	94		101		40-140	7		30
Pyrene	93		104		26-127	11		30
P-Chloro-M-Cresol	91		88		23-97	3		30
2-Chlorophenol	73		74		27-123	1		30
2-Nitrophenol	77		75		30-130	3		30
4-Nitrophenol	52		54		10-80	4		30
2,4-Dinitrophenol	72		72		20-130	0		30
Pentachlorophenol	87		84		9-103	4		30
Phenol	34		34		12-110	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	46		51		21-120
Phenol-d6	34		37		10-120
Nitrobenzene-d5	76		78		23-120
2-Fluorobiphenyl	83		78		15-120
2,4,6-Tribromophenol	91		89		10-120
4-Terphenyl-d14	96		102		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 21-23 Batch: WG511658-2 WG511658-3								
Acenaphthene	86		88		31-137	2		50
1,2,4-Trichlorobenzene	92		91		38-107	1		50
2-Chloronaphthalene	92		91		40-140	1		50
1,2-Dichlorobenzene	82		82		40-140	0		50
1,4-Dichlorobenzene	79		83		28-104	5		50
2,4-Dinitrotoluene	**91**	Q	**91**	Q	28-89	0		50
2,6-Dinitrotoluene	91		97		40-140	6		50
Fluoranthene	89		89		40-140	0		50
4-Chlorophenyl phenyl ether	90		95		40-140	5		50
n-Nitrosodi-n-propylamine	83		85		41-126	2		50
Butyl benzyl phthalate	88		92		40-140	4		50
Anthracene	93		93		40-140	0		50
Pyrene	88		90		35-142	2		50
P-Chloro-M-Cresol	97		99		26-103	2		50
2-Chlorophenol	91		92		25-102	1		50
2-Nitrophenol	92		88		30-130	4		50
4-Nitrophenol	86		88		11-114	2		50
2,4-Dinitrophenol	45		56		4-130	22		50
Pentachlorophenol	75		76		17-109	1		50
Phenol	98		98		31-133	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 21-23 Batch: WG511658-2 WG511658-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	97		91		25-120
Phenol-d6	97		96		10-120
Nitrobenzene-d5	91		90		23-120
2-Fluorobiphenyl	95		95		30-120
2,4,6-Tribromophenol	88		85		0-136
4-Terphenyl-d14	88		89		18-120

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG512537-2 WG512537-3								
Acenaphthene	87		88		31-137	1		50
1,2,4-Trichlorobenzene	87		84		38-107	4		50
2-Chloronaphthalene	99		101		40-140	2		50
1,2-Dichlorobenzene	81		86		40-140	6		50
1,4-Dichlorobenzene	81		85		28-104	5		50
2,4-Dinitrotoluene	**90**	Q	**95**	Q	28-89	5		50
2,6-Dinitrotoluene	81		90		40-140	11		50
Fluoranthene	88		98		40-140	11		50
4-Chlorophenyl phenyl ether	92		95		40-140	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG512537-2 WG512537-3								
n-Nitrosodi-n-propylamine	75		80		41-126	6		50
Butyl benzyl phthalate	90		100		40-140	11		50
Anthracene	90		95		40-140	5		50
Pyrene	86		96		35-142	11		50
P-Chloro-M-Cresol	87		95		26-103	9		50
2-Chlorophenol	83		88		25-102	6		50
2-Nitrophenol	78		83		30-130	6		50
4-Nitrophenol	85		91		11-114	7		50
2,4-Dinitrophenol	14		13		4-130	7		50
Pentachlorophenol	52		46		17-109	12		50
Phenol	87		92		31-133	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	87		92		25-120
Phenol-d6	87		95		10-120
Nitrobenzene-d5	85		92		23-120
2-Fluorobiphenyl	88		89		30-120
2,4,6-Tribromophenol	83		94		0-136
4-Terphenyl-d14	93		103		18-120

PCBS

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-01	Date Collected:	12/28/11 09:50
Client ID:	SB-1 (3-4)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/02/12 11:14
Analytical Date:	01/04/12 08:56	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/04/12
Percent Solids:	89%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	36.2	7.15	1
Aroclor 1221	ND		ug/kg	36.2	10.9	1
Aroclor 1232	ND		ug/kg	36.2	7.69	1
Aroclor 1242	ND		ug/kg	36.2	6.87	1
Aroclor 1248	ND		ug/kg	36.2	4.38	1
Aroclor 1254	ND		ug/kg	36.2	5.71	1
Aroclor 1260	ND		ug/kg	36.2	6.28	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	40		30-150
Decachlorobiphenyl	37		30-150
2,4,5,6-Tetrachloro-m-xylene	38		30-150
Decachlorobiphenyl	36		30-150

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-02	Date Collected:	12/28/11 09:55
Client ID:	SB-1 (13-14)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/02/12 11:14
Analytical Date:	01/04/12 09:08	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/04/12
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.6	7.63	1
Aroclor 1221	ND		ug/kg	38.6	11.6	1
Aroclor 1232	ND		ug/kg	38.6	8.21	1
Aroclor 1242	ND		ug/kg	38.6	7.34	1
Aroclor 1248	ND		ug/kg	38.6	4.68	1
Aroclor 1254	ND		ug/kg	38.6	6.09	1
Aroclor 1260	ND		ug/kg	38.6	6.71	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	63		30-150
Decachlorobiphenyl	57		30-150
2,4,5,6-Tetrachloro-m-xylene	61		30-150
Decachlorobiphenyl	57		30-150

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-03	Date Collected:	12/28/11 10:46
Client ID:	SB-2 (0-1)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/02/12 11:14
Analytical Date:	01/04/12 09:20	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/04/12
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.8	7.46	1
Aroclor 1221	ND		ug/kg	37.8	11.4	1
Aroclor 1232	ND		ug/kg	37.8	8.02	1
Aroclor 1242	ND		ug/kg	37.8	7.16	1
Aroclor 1248	ND		ug/kg	37.8	4.57	1
Aroclor 1254	ND		ug/kg	37.8	5.95	1
Aroclor 1260	ND		ug/kg	37.8	6.55	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	56		30-150
Decachlorobiphenyl	48		30-150
2,4,5,6-Tetrachloro-m-xylene	54		30-150
Decachlorobiphenyl	59		30-150

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-04	Date Collected:	12/28/11 10:52
Client ID:	SB-2 (13-14)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/02/12 11:14
Analytical Date:	01/04/12 09:33	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/04/12
Percent Solids:	83%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.1	7.52	1
Aroclor 1221	ND		ug/kg	38.1	11.5	1
Aroclor 1232	ND		ug/kg	38.1	8.09	1
Aroclor 1242	ND		ug/kg	38.1	7.23	1
Aroclor 1248	ND		ug/kg	38.1	4.61	1
Aroclor 1254	ND		ug/kg	38.1	6.00	1
Aroclor 1260	ND		ug/kg	38.1	6.61	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	61		30-150
Decachlorobiphenyl	50		30-150
2,4,5,6-Tetrachloro-m-xylene	55		30-150
Decachlorobiphenyl	49		30-150

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-05	Date Collected:	12/28/11 11:20
Client ID:	SB-3 (1-2)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/02/12 11:14
Analytical Date:	01/04/12 09:45	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/04/12
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.8	7.66	1
Aroclor 1221	ND		ug/kg	38.8	11.7	1
Aroclor 1232	ND		ug/kg	38.8	8.24	1
Aroclor 1242	ND		ug/kg	38.8	7.36	1
Aroclor 1248	ND		ug/kg	38.8	4.69	1
Aroclor 1254	ND		ug/kg	38.8	6.12	1
Aroclor 1260	20.2	J	ug/kg	38.8	6.73	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	37		30-150
Decachlorobiphenyl	34		30-150
2,4,5,6-Tetrachloro-m-xylene	34		30-150
Decachlorobiphenyl	36		30-150

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-06	Date Collected:	12/28/11 11:25
Client ID:	SB-3 (13-14)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/02/12 11:14
Analytical Date:	01/04/12 09:57	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/04/12
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.4	7.57	1
Aroclor 1221	ND		ug/kg	38.4	11.6	1
Aroclor 1232	ND		ug/kg	38.4	8.15	1
Aroclor 1242	ND		ug/kg	38.4	7.28	1
Aroclor 1248	ND		ug/kg	38.4	4.64	1
Aroclor 1254	ND		ug/kg	38.4	6.04	1
Aroclor 1260	ND		ug/kg	38.4	6.66	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	60		30-150
Decachlorobiphenyl	50		30-150
2,4,5,6-Tetrachloro-m-xylene	57		30-150
Decachlorobiphenyl	52		30-150

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-07	Date Collected:	12/28/11 12:14
Client ID:	SB-4 (2-3)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/02/12 11:14
Analytical Date:	01/04/12 10:09	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/04/12
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.6	7.42	1
Aroclor 1221	ND		ug/kg	37.6	11.3	1
Aroclor 1232	ND		ug/kg	37.6	7.98	1
Aroclor 1242	ND		ug/kg	37.6	7.13	1
Aroclor 1248	ND		ug/kg	37.6	4.55	1
Aroclor 1254	ND		ug/kg	37.6	5.92	1
Aroclor 1260	ND		ug/kg	37.6	6.52	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	45		30-150
Decachlorobiphenyl	41		30-150
2,4,5,6-Tetrachloro-m-xylene	42		30-150
Decachlorobiphenyl	41		30-150

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-08	Date Collected:	12/28/11 12:20
Client ID:	SB-4 (14-15)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/02/12 11:14
Analytical Date:	01/04/12 10:22	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/04/12
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.1	7.32	1
Aroclor 1221	ND		ug/kg	37.1	11.2	1
Aroclor 1232	ND		ug/kg	37.1	7.88	1
Aroclor 1242	ND		ug/kg	37.1	7.04	1
Aroclor 1248	ND		ug/kg	37.1	4.48	1
Aroclor 1254	ND		ug/kg	37.1	5.84	1
Aroclor 1260	ND		ug/kg	37.1	6.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	72		30-150
Decachlorobiphenyl	63		30-150
2,4,5,6-Tetrachloro-m-xylene	63		30-150
Decachlorobiphenyl	59		30-150

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-09	Date Collected:	12/28/11 12:43
Client ID:	SB-5 (2-3)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/02/12 11:14
Analytical Date:	01/04/12 10:34	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/04/12
Percent Solids:	89%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	36.5	7.21	1
Aroclor 1221	ND		ug/kg	36.5	11.0	1
Aroclor 1232	ND		ug/kg	36.5	7.75	1
Aroclor 1242	ND		ug/kg	36.5	6.93	1
Aroclor 1248	ND		ug/kg	36.5	4.42	1
Aroclor 1254	ND		ug/kg	36.5	5.75	1
Aroclor 1260	19.0	J	ug/kg	36.5	6.34	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	44		30-150
Decachlorobiphenyl	41		30-150
2,4,5,6-Tetrachloro-m-xylene	39		30-150
Decachlorobiphenyl	39		30-150

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-10	Date Collected:	12/28/11 12:50
Client ID:	SB-5 (14-15)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/05/12 13:21
Analytical Date:	01/05/12 23:52	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/05/12
Percent Solids:	81%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/05/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	40.3	7.95	1
Aroclor 1221	ND		ug/kg	40.3	12.1	1
Aroclor 1232	ND		ug/kg	40.3	8.55	1
Aroclor 1242	ND		ug/kg	40.3	7.64	1
Aroclor 1248	ND		ug/kg	40.3	4.87	1
Aroclor 1254	ND		ug/kg	40.3	6.35	1
Aroclor 1260	ND		ug/kg	40.3	6.99	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	66		30-150
Decachlorobiphenyl	64		30-150
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	71		30-150

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-11	Date Collected:	12/28/11 13:45
Client ID:	SB-6 (1-2)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/02/12 11:14
Analytical Date:	01/04/12 10:59	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/04/12
Percent Solids:	89%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	35.7	7.05	1
Aroclor 1221	ND		ug/kg	35.7	10.8	1
Aroclor 1232	ND		ug/kg	35.7	7.58	1
Aroclor 1242	ND		ug/kg	35.7	6.77	1
Aroclor 1248	ND		ug/kg	35.7	4.32	1
Aroclor 1254	ND		ug/kg	35.7	5.63	1
Aroclor 1260	ND		ug/kg	35.7	6.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	34		30-150
Decachlorobiphenyl	32		30-150
2,4,5,6-Tetrachloro-m-xylene	31		30-150
Decachlorobiphenyl	32		30-150

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-12	Date Collected:	12/28/11 13:50
Client ID:	SB-6 (13-14)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/02/12 11:14
Analytical Date:	01/04/12 11:11	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/04/12
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.8	7.46	1
Aroclor 1221	ND		ug/kg	37.8	11.4	1
Aroclor 1232	ND		ug/kg	37.8	8.02	1
Aroclor 1242	ND		ug/kg	37.8	7.16	1
Aroclor 1248	ND		ug/kg	37.8	4.57	1
Aroclor 1254	ND		ug/kg	37.8	5.95	1
Aroclor 1260	ND		ug/kg	37.8	6.55	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	54		30-150
Decachlorobiphenyl	48		30-150
2,4,5,6-Tetrachloro-m-xylene	49		30-150
Decachlorobiphenyl	51		30-150

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-13	Date Collected:	12/28/11 14:40
Client ID:	SB-7 (3-4)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/02/12 11:15
Analytical Date:	01/04/12 11:23	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/04/12
Percent Solids:	94%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	35.1	6.92	1
Aroclor 1221	ND		ug/kg	35.1	10.6	1
Aroclor 1232	ND		ug/kg	35.1	7.45	1
Aroclor 1242	ND		ug/kg	35.1	6.65	1
Aroclor 1248	ND		ug/kg	35.1	4.24	1
Aroclor 1254	ND		ug/kg	35.1	5.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	60		30-150
Decachlorobiphenyl	62		30-150
2,4,5,6-Tetrachloro-m-xylene	55		30-150
Decachlorobiphenyl	60		30-150

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-13	Date Collected:	12/28/11 14:40
Client ID:	SB-7 (3-4)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/02/12 11:15
Analytical Date:	01/04/12 11:23	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/04/12
Percent Solids:	94%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1260	22.3	J	ug/kg	35.1	6.08	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	60		30-150
Decachlorobiphenyl	62		30-150
2,4,5,6-Tetrachloro-m-xylene	55		30-150
Decachlorobiphenyl	60		30-150

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-14	Date Collected:	12/28/11 14:51
Client ID:	SB-7 (14-15)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/04/12 11:08
Analytical Date:	01/06/12 07:41	Cleanup Method1:	EPA 3665A
Analyst:	GT	Cleanup Date1:	01/04/12
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.0	7.32	1
Aroclor 1221	ND		ug/kg	37.0	11.2	1
Aroclor 1232	ND		ug/kg	37.0	7.87	1
Aroclor 1242	ND		ug/kg	37.0	7.03	1
Aroclor 1248	ND		ug/kg	37.0	4.48	1
Aroclor 1254	ND		ug/kg	37.0	5.84	1
Aroclor 1260	ND		ug/kg	37.0	6.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	90		30-150
Decachlorobiphenyl	79		30-150
2,4,5,6-Tetrachloro-m-xylene	104		30-150
Decachlorobiphenyl	99		30-150

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-15	Date Collected:	12/28/11 15:26
Client ID:	SB-8 (4-5)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/02/12 11:15
Analytical Date:	01/04/12 11:36	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/04/12
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.2	7.55	1
Aroclor 1221	ND		ug/kg	38.2	11.5	1
Aroclor 1232	ND		ug/kg	38.2	8.12	1
Aroclor 1242	ND		ug/kg	38.2	7.26	1
Aroclor 1248	ND		ug/kg	38.2	4.63	1
Aroclor 1254	ND		ug/kg	38.2	6.03	1
Aroclor 1260	ND		ug/kg	38.2	6.64	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	62		30-150
Decachlorobiphenyl	56		30-150
2,4,5,6-Tetrachloro-m-xylene	54		30-150
Decachlorobiphenyl	52		30-150

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-16	Date Collected:	12/28/11 15:32
Client ID:	SB-8 (14-15)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/05/12 13:21
Analytical Date:	01/06/12 00:05	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/05/12
Percent Solids:	79%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/05/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	40.6	8.01	1
Aroclor 1221	ND		ug/kg	40.6	12.2	1
Aroclor 1232	ND		ug/kg	40.6	8.62	1
Aroclor 1242	ND		ug/kg	40.6	7.70	1
Aroclor 1248	ND		ug/kg	40.6	4.91	1
Aroclor 1254	ND		ug/kg	40.6	6.40	1
Aroclor 1260	ND		ug/kg	40.6	7.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	89		30-150
Decachlorobiphenyl	96		30-150
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	100		30-150

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-17	Date Collected:	12/28/11 15:55
Client ID:	SB-9 (3-4)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/02/12 11:15
Analytical Date:	01/04/12 12:00	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/04/12
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	36.5	7.22	1
Aroclor 1221	ND		ug/kg	36.5	11.0	1
Aroclor 1232	ND		ug/kg	36.5	7.76	1
Aroclor 1242	ND		ug/kg	36.5	6.93	1
Aroclor 1248	ND		ug/kg	36.5	4.42	1
Aroclor 1254	ND		ug/kg	36.5	5.76	1
Aroclor 1260	ND		ug/kg	36.5	6.34	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	37		30-150
Decachlorobiphenyl	30		30-150
2,4,5,6-Tetrachloro-m-xylene	33		30-150
Decachlorobiphenyl	**27**	Q	30-150

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-18	Date Collected:	12/28/11 16:03
Client ID:	SB-9 (14-15)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	01/05/12 13:21
Analytical Date:	01/06/12 00:30	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	01/05/12
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/05/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.6	7.63	1
Aroclor 1221	ND		ug/kg	38.6	11.6	1
Aroclor 1232	ND		ug/kg	38.6	8.21	1
Aroclor 1242	ND		ug/kg	38.6	7.33	1
Aroclor 1248	ND		ug/kg	38.6	4.68	1
Aroclor 1254	ND		ug/kg	38.6	6.09	1
Aroclor 1260	ND		ug/kg	38.6	6.71	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	83		30-150
Decachlorobiphenyl	79		30-150
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	84		30-150

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-24	Date Collected:	12/28/11 10:25
Client ID:	TW-1	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082	Extraction Date:	01/03/12 13:05
Analytical Date:	01/04/12 16:06	Cleanup Method1:	EPA 3665A
Analyst:	GT	Cleanup Date1:	01/04/12
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	90		30-150
Decachlorobiphenyl	63		30-150
2,4,5,6-Tetrachloro-m-xylene	92		30-150
Decachlorobiphenyl	57		30-150

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-25	Date Collected:	12/28/11 11:07
Client ID:	TW-2	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082	Extraction Date:	01/03/12 13:05
Analytical Date:	01/04/12 16:19	Cleanup Method1:	EPA 3665A
Analyst:	GT	Cleanup Date1:	01/04/12
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	87		30-150
Decachlorobiphenyl	51		30-150
2,4,5,6-Tetrachloro-m-xylene	89		30-150
Decachlorobiphenyl	45		30-150

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-26	Date Collected:	12/28/11 14:55
Client ID:	TW-4	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082	Extraction Date:	01/03/12 13:05
Analytical Date:	01/04/12 16:32	Cleanup Method1:	EPA 3665A
Analyst:	GT	Cleanup Date1:	01/04/12
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	87		30-150
Decachlorobiphenyl	57		30-150
2,4,5,6-Tetrachloro-m-xylene	85		30-150
Decachlorobiphenyl	50		30-150

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-27	Date Collected:	12/29/11 09:39
Client ID:	TW-7	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082	Extraction Date:	01/03/12 13:05
Analytical Date:	01/04/12 16:45	Cleanup Method1:	EPA 3665A
Analyst:	GT	Cleanup Date1:	01/04/12
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	105		30-150
Decachlorobiphenyl	113		30-150
2,4,5,6-Tetrachloro-m-xylene	104		30-150
Decachlorobiphenyl	99		30-150

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-28	Date Collected:	12/29/11 11:39
Client ID:	TW-8	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082	Extraction Date:	01/03/12 13:05
Analytical Date:	01/04/12 16:58	Cleanup Method1:	EPA 3665A
Analyst:	GT	Cleanup Date1:	01/04/12
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	83		30-150
Decachlorobiphenyl	60		30-150
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	55		30-150

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-29	Date Collected:	12/29/11 08:58
Client ID:	TW-9	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082	Extraction Date:	01/03/12 13:05
Analytical Date:	01/06/12 11:44	Cleanup Method1:	EPA 3665A
Analyst:	GT	Cleanup Date1:	01/04/12
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	95		30-150
Decachlorobiphenyl	47		30-150
2,4,5,6-Tetrachloro-m-xylene	107		30-150
Decachlorobiphenyl	57		30-150

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-32	Date Collected:	12/30/11 12:15
Client ID:	MW-1	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082	Extraction Date:	01/04/12 10:18
Analytical Date:	01/06/12 08:37	Cleanup Method1:	EPA 3665A
Analyst:	GT	Cleanup Date1:	01/04/12
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	79		30-150
Decachlorobiphenyl	53		30-150
2,4,5,6-Tetrachloro-m-xylene	89		30-150
Decachlorobiphenyl	57		30-150

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-33	Date Collected:	12/30/11 13:14
Client ID:	MW-2	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082	Extraction Date:	01/03/12 13:05
Analytical Date:	01/04/12 17:25	Cleanup Method1:	EPA 3665A
Analyst:	GT	Cleanup Date1:	01/04/12
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	106		30-150
Decachlorobiphenyl	61		30-150
2,4,5,6-Tetrachloro-m-xylene	108		30-150
Decachlorobiphenyl	55		30-150

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-34	Date Collected:	12/30/11 13:56
Client ID:	MW-3	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082	Extraction Date:	01/03/12 13:05
Analytical Date:	01/04/12 17:38	Cleanup Method1:	EPA 3665A
Analyst:	GT	Cleanup Date1:	01/04/12
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	109		30-150
Decachlorobiphenyl	91		30-150
2,4,5,6-Tetrachloro-m-xylene	112		30-150
Decachlorobiphenyl	80		30-150

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-35	Date Collected:	12/30/11 14:40
Client ID:	MW-4	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082	Extraction Date:	01/03/12 13:05
Analytical Date:	01/04/12 17:51	Cleanup Method1:	EPA 3665A
Analyst:	GT	Cleanup Date1:	01/04/12
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.083	0.055	1
Aroclor 1221	ND		ug/l	0.083	0.053	1
Aroclor 1232	ND		ug/l	0.083	0.031	1
Aroclor 1242	ND		ug/l	0.083	0.060	1
Aroclor 1248	ND		ug/l	0.083	0.051	1
Aroclor 1254	ND		ug/l	0.083	0.034	1
Aroclor 1260	ND		ug/l	0.083	0.032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	112		30-150
Decachlorobiphenyl	109		30-150
2,4,5,6-Tetrachloro-m-xylene	113		30-150
Decachlorobiphenyl	89		30-150

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 01/04/12 12:25
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 01/02/12 11:14
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/04/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/04/12

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-09,11-13,15,17 Batch: WG511448-1					
Aroclor 1016	ND		ug/kg	32.8	6.48
Aroclor 1221	ND		ug/kg	32.8	9.90
Aroclor 1232	ND		ug/kg	32.8	6.97
Aroclor 1242	ND		ug/kg	32.8	6.23
Aroclor 1248	ND		ug/kg	32.8	3.97
Aroclor 1254	ND		ug/kg	32.8	5.17
Aroclor 1260	ND		ug/kg	32.8	5.69

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	59		30-150
Decachlorobiphenyl	50		30-150
2,4,5,6-Tetrachloro-m-xylene	58		30-150
Decachlorobiphenyl	53		30-150

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 01/04/12 14:59
Analyst: GT

Extraction Method: EPA 3510C
Extraction Date: 01/03/12 13:05
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/04/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/04/12

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 24-29,33-35 Batch: WG511579-1					
Aroclor 1016	ND		ug/l	0.083	0.055
Aroclor 1221	ND		ug/l	0.083	0.053
Aroclor 1232	ND		ug/l	0.083	0.031
Aroclor 1242	ND		ug/l	0.083	0.060
Aroclor 1248	ND		ug/l	0.083	0.051
Aroclor 1254	ND		ug/l	0.083	0.034
Aroclor 1260	ND		ug/l	0.083	0.032

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		30-150
Decachlorobiphenyl	92		30-150
2,4,5,6-Tetrachloro-m-xylene	66		30-150
Decachlorobiphenyl	91		30-150

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 01/06/12 07:55
Analyst: GT

Extraction Method: EPA 3510C
Extraction Date: 01/04/12 10:18
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/04/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/04/12

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 32 Batch: WG511762-1					
Aroclor 1016	ND		ug/l	0.083	0.055
Aroclor 1221	ND		ug/l	0.083	0.053
Aroclor 1232	ND		ug/l	0.083	0.031
Aroclor 1242	ND		ug/l	0.083	0.060
Aroclor 1248	ND		ug/l	0.083	0.051
Aroclor 1254	ND		ug/l	0.083	0.034
Aroclor 1260	ND		ug/l	0.083	0.032

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	74		30-150
Decachlorobiphenyl	58		30-150
2,4,5,6-Tetrachloro-m-xylene	88		30-150
Decachlorobiphenyl	77		30-150

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 01/06/12 05:00
Analyst: GT

Extraction Method: EPA 3546
Extraction Date: 01/04/12 11:08
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/04/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/04/12

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 14 Batch: WG511784-1					
Aroclor 1016	ND		ug/kg	32.8	6.48
Aroclor 1221	ND		ug/kg	32.8	9.90
Aroclor 1232	ND		ug/kg	32.8	6.97
Aroclor 1242	ND		ug/kg	32.8	6.23
Aroclor 1248	ND		ug/kg	32.8	3.97
Aroclor 1254	ND		ug/kg	32.8	5.17
Aroclor 1260	ND		ug/kg	32.8	5.69

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	79		30-150
Decachlorobiphenyl	63		30-150
2,4,5,6-Tetrachloro-m-xylene	104		30-150
Decachlorobiphenyl	86		30-150

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 01/05/12 21:37
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 01/05/12 13:21
Cleanup Method1: EPA 3665A
Cleanup Date1: 01/05/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 01/05/12

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 10,16,18 Batch: WG512061-1					
Aroclor 1016	ND		ug/kg	32.9	6.49
Aroclor 1221	ND		ug/kg	32.9	9.92
Aroclor 1232	ND		ug/kg	32.9	6.98
Aroclor 1242	ND		ug/kg	32.9	6.24
Aroclor 1248	ND		ug/kg	32.9	3.98
Aroclor 1254	ND		ug/kg	32.9	5.18
Aroclor 1260	ND		ug/kg	32.9	5.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	78		30-150
Decachlorobiphenyl	70		30-150
2,4,5,6-Tetrachloro-m-xylene	80		30-150
Decachlorobiphenyl	78		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-09,11-13,15,17 Batch: WG511448-2 WG511448-3								
Aroclor 1016	56		56		40-140	0		50
Aroclor 1260	51		49		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	67		63		30-150
Decachlorobiphenyl	58		55		30-150
2,4,5,6-Tetrachloro-m-xylene	63		61		30-150
Decachlorobiphenyl	57		52		30-150

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 24-29,33-35 Batch: WG511579-2 WG511579-3								
Aroclor 1016	90		90		40-140	0		50
Aroclor 1260	90		91		40-140	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	82		84		30-150
Decachlorobiphenyl	110		110		30-150
2,4,5,6-Tetrachloro-m-xylene	81		84		30-150
Decachlorobiphenyl	112		111		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 32 Batch: WG511762-2 WG511762-3								
Aroclor 1016	97		87		40-140	10		50
Aroclor 1260	76		70		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	83		80		30-150
Decachlorobiphenyl	67		65		30-150
2,4,5,6-Tetrachloro-m-xylene	94		99		30-150
Decachlorobiphenyl	84		86		30-150

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 14 Batch: WG511784-2 WG511784-3								
Aroclor 1016	78		82		40-140	5		50
Aroclor 1260	76		81		40-140	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	87		88		30-150
Decachlorobiphenyl	71		76		30-150
2,4,5,6-Tetrachloro-m-xylene	91		101		30-150
Decachlorobiphenyl	83		90		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 10,16,18 Batch: WG512061-2 WG512061-3								
Aroclor 1016	90		89		40-140	1		50
Aroclor 1260	85		84		40-140	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	88		86		30-150
Decachlorobiphenyl	78		79		30-150
2,4,5,6-Tetrachloro-m-xylene	89		85		30-150
Decachlorobiphenyl	88		86		30-150

PESTICIDES

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-01	D	Date Collected:	12/28/11 09:50
Client ID:	SB-1 (3-4)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081A		Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 07:14		Cleanup Method1:	EPA 3620B
Analyst:	BW		Cleanup Date1:	01/04/12
Percent Solids:	89%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	35.1	6.87	20
Lindane	ND		ug/kg	14.6	6.54	20
Alpha-BHC	ND		ug/kg	14.6	4.15	20
Beta-BHC	ND		ug/kg	35.1	13.3	20
Heptachlor	ND		ug/kg	17.5	7.86	20
Aldrin	ND		ug/kg	35.1	12.4	20
Heptachlor epoxide	ND		ug/kg	65.8	19.7	20
Endrin	ND		ug/kg	14.6	5.99	20
Endrin ketone	ND		ug/kg	35.1	9.04	20
Dieldrin	ND		ug/kg	21.9	11.0	20
4,4'-DDE	ND		ug/kg	35.1	8.11	20
4,4'-DDD	ND		ug/kg	35.1	12.5	20
4,4'-DDT	ND		ug/kg	65.8	28.2	20
Endosulfan I	ND		ug/kg	35.1	8.29	20
Endosulfan II	ND		ug/kg	35.1	11.7	20
Endosulfan sulfate	ND		ug/kg	14.6	6.68	20
Methoxychlor	ND		ug/kg	65.8	20.5	20
Toxaphene	ND		ug/kg	658	184.	20
trans-Chlordane	ND		ug/kg	43.9	11.6	20
Chlordane	ND		ug/kg	285	116.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	124		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-02	Date Collected:	12/28/11 09:55
Client ID:	SB-1 (13-14)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 07:27	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.89	0.371	1
Lindane	ND		ug/kg	0.789	0.353	1
Alpha-BHC	ND		ug/kg	0.789	0.224	1
Beta-BHC	ND		ug/kg	1.89	0.718	1
Heptachlor	ND		ug/kg	0.947	0.424	1
Aldrin	ND		ug/kg	1.89	0.667	1
Heptachlor epoxide	ND		ug/kg	3.55	1.06	1
Endrin	ND		ug/kg	0.789	0.323	1
Endrin ketone	ND		ug/kg	1.89	0.488	1
Dieldrin	ND		ug/kg	1.18	0.592	1
4,4'-DDE	ND		ug/kg	1.89	0.438	1
4,4'-DDD	ND		ug/kg	1.89	0.675	1
4,4'-DDT	ND		ug/kg	3.55	1.52	1
Endosulfan I	ND		ug/kg	1.89	0.447	1
Endosulfan II	ND		ug/kg	1.89	0.633	1
Endosulfan sulfate	ND		ug/kg	0.789	0.360	1
Methoxychlor	ND		ug/kg	3.55	1.10	1
Toxaphene	ND		ug/kg	35.5	9.94	1
trans-Chlordane	ND		ug/kg	2.37	0.625	1
Chlordane	ND		ug/kg	15.4	6.27	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	115		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-03	D	Date Collected:	12/28/11 10:46
Client ID:	SB-2 (0-1)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081A		Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 07:40		Cleanup Method1:	EPA 3620B
Analyst:	BW		Cleanup Date1:	01/04/12
Percent Solids:	86%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	35.6	6.96	20
Lindane	ND		ug/kg	14.8	6.62	20
Alpha-BHC	ND		ug/kg	14.8	4.21	20
Beta-BHC	ND		ug/kg	35.6	13.5	20
Heptachlor	ND		ug/kg	17.8	7.97	20
Aldrin	ND		ug/kg	35.6	12.5	20
Heptachlor epoxide	ND		ug/kg	66.6	20.0	20
Endrin	ND		ug/kg	14.8	6.07	20
Endrin ketone	ND		ug/kg	35.6	9.15	20
Dieldrin	ND		ug/kg	22.2	11.1	20
4,4'-DDE	ND		ug/kg	35.6	8.22	20
4,4'-DDD	ND		ug/kg	35.6	12.7	20
4,4'-DDT	ND		ug/kg	66.6	28.6	20
Endosulfan I	ND		ug/kg	35.6	8.40	20
Endosulfan II	ND		ug/kg	35.6	11.9	20
Endosulfan sulfate	ND		ug/kg	14.8	6.77	20
Methoxychlor	ND		ug/kg	66.6	20.7	20
Toxaphene	ND		ug/kg	666	187.	20
trans-Chlordane	ND		ug/kg	44.4	11.7	20
Chlordane	ND		ug/kg	289	118.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	125		30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	134		30-150	B

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-04	Date Collected:	12/28/11 10:52
Client ID:	SB-2 (13-14)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 07:52	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.89	0.371	1
Lindane	ND		ug/kg	0.789	0.353	1
Alpha-BHC	ND		ug/kg	0.789	0.224	1
Beta-BHC	ND		ug/kg	1.89	0.718	1
Heptachlor	ND		ug/kg	0.947	0.424	1
Aldrin	ND		ug/kg	1.89	0.667	1
Heptachlor epoxide	ND		ug/kg	3.55	1.06	1
Endrin	ND		ug/kg	0.789	0.323	1
Endrin ketone	ND		ug/kg	1.89	0.488	1
Dieldrin	ND		ug/kg	1.18	0.592	1
4,4'-DDE	ND		ug/kg	1.89	0.438	1
4,4'-DDD	ND		ug/kg	1.89	0.675	1
4,4'-DDT	ND		ug/kg	3.55	1.52	1
Endosulfan I	ND		ug/kg	1.89	0.447	1
Endosulfan II	ND		ug/kg	1.89	0.633	1
Endosulfan sulfate	ND		ug/kg	0.789	0.360	1
Methoxychlor	ND		ug/kg	3.55	1.10	1
Toxaphene	ND		ug/kg	35.5	9.94	1
trans-Chlordane	ND		ug/kg	2.37	0.625	1
Chlordane	ND		ug/kg	15.4	6.27	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-05	Date Collected:	12/28/11 11:20
Client ID:	SB-3 (1-2)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 13:41	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.78	0.349	1
Lindane	ND		ug/kg	0.742	0.332	1
Alpha-BHC	ND		ug/kg	0.742	0.211	1
Beta-BHC	ND		ug/kg	1.78	0.675	1
Heptachlor	ND		ug/kg	0.891	0.399	1
Aldrin	ND		ug/kg	1.78	0.627	1
Heptachlor epoxide	ND		ug/kg	3.34	1.00	1
Endrin	ND		ug/kg	0.742	0.304	1
Endrin ketone	ND		ug/kg	1.78	0.459	1
Dieldrin	ND		ug/kg	1.11	0.557	1
4,4'-DDE	144		ug/kg	1.78	0.412	1
4,4'-DDT	406	E	ug/kg	3.34	1.43	1
Endosulfan I	ND		ug/kg	1.78	0.421	1
Endosulfan II	ND		ug/kg	1.78	0.595	1
Endosulfan sulfate	ND		ug/kg	0.742	0.339	1
Methoxychlor	3.61		ug/kg	3.34	1.04	1
Toxaphene	ND		ug/kg	33.4	9.35	1
trans-Chlordane	27.4		ug/kg	2.23	0.588	1
Chlordane	148		ug/kg	14.5	5.90	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-05	Date Collected:	12/28/11 11:20
Client ID:	SB-3 (1-2)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 13:41	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDD	20.9		ug/kg	1.78	0.635	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-05	D	Date Collected:	12/28/11 11:20
Client ID:	SB-3 (1-2)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081A		Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 13:53		Cleanup Method1:	EPA 3620B
Analyst:	BW		Cleanup Date1:	01/04/12
Percent Solids:	85%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDT	358		ug/kg	16.7	7.16	5

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-06	Date Collected:	12/28/11 11:25
Client ID:	SB-3 (13-14)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 08:18	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDT	3.62		ug/kg	3.46	1.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-06	Date Collected:	12/28/11 11:25
Client ID:	SB-3 (13-14)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 08:18	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.84	0.361	1
Lindane	ND		ug/kg	0.768	0.344	1
Alpha-BHC	ND		ug/kg	0.768	0.218	1
Beta-BHC	ND		ug/kg	1.84	0.699	1
Heptachlor	ND		ug/kg	0.922	0.413	1
Aldrin	ND		ug/kg	1.84	0.649	1
Heptachlor epoxide	ND		ug/kg	3.46	1.04	1
Endrin	ND		ug/kg	0.768	0.315	1
Endrin ketone	ND		ug/kg	1.84	0.475	1
Dieldrin	ND		ug/kg	1.15	0.576	1
4,4'-DDE	ND		ug/kg	1.84	0.426	1
4,4'-DDD	ND		ug/kg	1.84	0.658	1
Endosulfan I	ND		ug/kg	1.84	0.436	1
Endosulfan II	ND		ug/kg	1.84	0.616	1
Endosulfan sulfate	ND		ug/kg	0.768	0.351	1
Methoxychlor	ND		ug/kg	3.46	1.08	1
Toxaphene	ND		ug/kg	34.6	9.68	1
trans-Chlordane	ND		ug/kg	2.30	0.609	1
Chlordane	ND		ug/kg	15.0	6.11	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-07	D	Date Collected:	12/28/11 12:14
Client ID:	SB-4 (2-3)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081A		Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 08:30		Cleanup Method1:	EPA 3620B
Analyst:	BW		Cleanup Date1:	01/04/12
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDE	24.9	J	ug/kg	36.4	8.42	20
4,4'-DDT	59.9	J	ug/kg	68.2	29.3	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-07	D	Date Collected:	12/28/11 12:14
Client ID:	SB-4 (2-3)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081A		Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 08:30		Cleanup Method1:	EPA 3620B
Analyst:	BW		Cleanup Date1:	01/04/12
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	36.4	7.13	20
Lindane	ND		ug/kg	15.2	6.78	20
Alpha-BHC	ND		ug/kg	15.2	4.31	20
Beta-BHC	ND		ug/kg	36.4	13.8	20
Heptachlor	ND		ug/kg	18.2	8.16	20
Aldrin	ND		ug/kg	36.4	12.8	20
Heptachlor epoxide	ND		ug/kg	68.2	20.5	20
Endrin	ND		ug/kg	15.2	6.22	20
Endrin ketone	ND		ug/kg	36.4	9.37	20
Dieldrin	ND		ug/kg	22.7	11.4	20
4,4'-DDD	ND		ug/kg	36.4	13.0	20
Endosulfan I	ND		ug/kg	36.4	8.60	20
Endosulfan II	ND		ug/kg	36.4	12.2	20
Endosulfan sulfate	ND		ug/kg	15.2	6.93	20
Methoxychlor	ND		ug/kg	68.2	21.2	20
Toxaphene	ND		ug/kg	682	191.	20
trans-Chlordane	ND		ug/kg	45.5	12.0	20
Chlordane	ND		ug/kg	296	120.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-08	Date Collected:	12/28/11 12:20
Client ID:	SB-4 (14-15)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 08:43	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.79	0.350	1
Lindane	ND		ug/kg	0.744	0.333	1
Alpha-BHC	ND		ug/kg	0.744	0.211	1
Beta-BHC	ND		ug/kg	1.79	0.677	1
Heptachlor	ND		ug/kg	0.893	0.400	1
Aldrin	ND		ug/kg	1.79	0.629	1
Heptachlor epoxide	ND		ug/kg	3.35	1.00	1
Endrin	ND		ug/kg	0.744	0.305	1
Endrin ketone	ND		ug/kg	1.79	0.460	1
Dieldrin	ND		ug/kg	1.12	0.558	1
4,4'-DDE	1.09	J	ug/kg	1.79	0.413	1
4,4'-DDD	ND		ug/kg	1.79	0.637	1
4,4'-DDT	3.69		ug/kg	3.35	1.44	1
Endosulfan I	ND		ug/kg	1.79	0.422	1
Endosulfan II	ND		ug/kg	1.79	0.597	1
Endosulfan sulfate	ND		ug/kg	0.744	0.340	1
Methoxychlor	ND		ug/kg	3.35	1.04	1
Toxaphene	ND		ug/kg	33.5	9.38	1
trans-Chlordane	ND		ug/kg	2.23	0.590	1
Chlordane	ND		ug/kg	14.5	5.92	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-09	D	Date Collected:	12/28/11 12:43
Client ID:	SB-5 (2-3)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081A		Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 14:57		Cleanup Method1:	EPA 3620B
Analyst:	BW		Cleanup Date1:	01/04/12
Percent Solids:	89%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	84.9	16.6	50
Lindane	ND		ug/kg	35.4	15.8	50
Alpha-BHC	ND		ug/kg	35.4	10.0	50
Beta-BHC	ND		ug/kg	84.9	32.2	50
Heptachlor	ND		ug/kg	42.4	19.0	50
Aldrin	ND		ug/kg	84.9	29.9	50
Heptachlor epoxide	ND		ug/kg	159	47.8	50
Endrin	ND		ug/kg	35.4	14.5	50
Endrin ketone	ND		ug/kg	84.9	21.9	50
Dieldrin	ND		ug/kg	53.1	26.5	50
4,4'-DDE	ND		ug/kg	84.9	19.6	50
4,4'-DDD	ND		ug/kg	84.9	30.3	50
4,4'-DDT	98.3	J	ug/kg	159	68.3	50
Endosulfan I	ND		ug/kg	84.9	20.0	50
Endosulfan II	ND		ug/kg	84.9	28.4	50
Endosulfan sulfate	ND		ug/kg	35.4	16.2	50
Methoxychlor	ND		ug/kg	159	49.5	50
Toxaphene	ND		ug/kg	1590	446.	50
trans-Chlordane	ND		ug/kg	106	28.0	50
Chlordane	ND		ug/kg	690	281.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-10	Date Collected:	12/28/11 12:50
Client ID:	SB-5 (14-15)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 09:09	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.93	0.377	1
Lindane	ND		ug/kg	0.803	0.359	1
Alpha-BHC	ND		ug/kg	0.803	0.228	1
Beta-BHC	ND		ug/kg	1.93	0.730	1
Heptachlor	ND		ug/kg	0.963	0.432	1
Aldrin	ND		ug/kg	1.93	0.678	1
Heptachlor epoxide	ND		ug/kg	3.61	1.08	1
Endrin	ND		ug/kg	0.803	0.329	1
Endrin ketone	ND		ug/kg	1.93	0.496	1
Dieldrin	ND		ug/kg	1.20	0.602	1
4,4'-DDE	ND		ug/kg	1.93	0.446	1
4,4'-DDD	ND		ug/kg	1.93	0.687	1
4,4'-DDT	ND		ug/kg	3.61	1.55	1
Endosulfan I	ND		ug/kg	1.93	0.455	1
Endosulfan II	ND		ug/kg	1.93	0.644	1
Endosulfan sulfate	ND		ug/kg	0.803	0.367	1
Methoxychlor	ND		ug/kg	3.61	1.12	1
Toxaphene	ND		ug/kg	36.1	10.1	1
trans-Chlordane	ND		ug/kg	2.41	0.636	1
Chlordane	ND		ug/kg	15.6	6.38	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**304**	Q	30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	131		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-11	D	Date Collected:	12/28/11 13:45
Client ID:	SB-6 (1-2)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081A		Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 09:21		Cleanup Method1:	EPA 3620B
Analyst:	BW		Cleanup Date1:	01/04/12
Percent Solids:	89%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	33.6	6.58	20
Lindane	ND		ug/kg	14.0	6.26	20
Alpha-BHC	ND		ug/kg	14.0	3.98	20
Beta-BHC	ND		ug/kg	33.6	12.7	20
Heptachlor	ND		ug/kg	16.8	7.54	20
Aldrin	ND		ug/kg	33.6	11.8	20
Heptachlor epoxide	ND		ug/kg	63.0	18.9	20
Endrin	ND		ug/kg	14.0	5.74	20
Endrin ketone	ND		ug/kg	33.6	8.66	20
Dieldrin	ND		ug/kg	21.0	10.5	20
4,4'-DDE	ND		ug/kg	33.6	7.78	20
4,4'-DDD	ND		ug/kg	33.6	12.0	20
4,4'-DDT	32.1	J	ug/kg	63.0	27.0	20
Endosulfan I	ND		ug/kg	33.6	7.94	20
Endosulfan II	ND		ug/kg	33.6	11.2	20
Endosulfan sulfate	ND		ug/kg	14.0	6.40	20
Methoxychlor	ND		ug/kg	63.0	19.6	20
Toxaphene	ND		ug/kg	630	176.	20
trans-Chlordane	ND		ug/kg	42.0	11.1	20
Chlordane	ND		ug/kg	273	111.	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	**186**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	142		30-150	B

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-12	Date Collected:	12/28/11 13:50
Client ID:	SB-6 (13-14)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 09:34	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Endosulfan sulfate	1.56		ug/kg	0.769	0.351	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-12	Date Collected:	12/28/11 13:50
Client ID:	SB-6 (13-14)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	01/02/12 10:11
Analytical Date:	01/04/12 09:34	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.84	0.361	1
Lindane	ND		ug/kg	0.769	0.344	1
Alpha-BHC	ND		ug/kg	0.769	0.218	1
Beta-BHC	ND		ug/kg	1.84	0.700	1
Heptachlor	ND		ug/kg	0.923	0.414	1
Aldrin	ND		ug/kg	1.84	0.650	1
Heptachlor epoxide	ND		ug/kg	3.46	1.04	1
Endrin	ND		ug/kg	0.769	0.315	1
Endrin ketone	ND		ug/kg	1.84	0.475	1
Dieldrin	ND		ug/kg	1.15	0.577	1
4,4'-DDE	ND		ug/kg	1.84	0.427	1
4,4'-DDD	ND		ug/kg	1.84	0.658	1
4,4'-DDT	2.06	J	ug/kg	3.46	1.48	1
Endosulfan I	ND		ug/kg	1.84	0.436	1
Endosulfan II	ND		ug/kg	1.84	0.617	1
Methoxychlor	ND		ug/kg	3.46	1.08	1
Toxaphene	ND		ug/kg	34.6	9.69	1
trans-Chlordane	ND		ug/kg	2.31	0.609	1
Chlordane	ND		ug/kg	15.0	6.11	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-13	D	Date Collected:	12/28/11 14:40
Client ID:	SB-7 (3-4)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081A		Extraction Date:	01/02/12 10:15
Analytical Date:	01/04/12 09:47		Cleanup Method1:	EPA 3620B
Analyst:	BW		Cleanup Date1:	01/04/12
Percent Solids:	94%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	162	31.8	100
Lindane	ND		ug/kg	67.6	30.2	100
Alpha-BHC	ND		ug/kg	67.6	19.2	100
Beta-BHC	ND		ug/kg	162	61.5	100
Heptachlor	ND		ug/kg	81.1	36.4	100
Aldrin	ND		ug/kg	162	57.1	100
Heptachlor epoxide	ND		ug/kg	304	91.2	100
Endrin	ND		ug/kg	67.6	27.7	100
Endrin ketone	ND		ug/kg	162	41.8	100
Dieldrin	ND		ug/kg	101	50.7	100
4,4'-DDE	ND		ug/kg	162	37.5	100
4,4'-DDD	ND		ug/kg	162	57.8	100
4,4'-DDT	ND		ug/kg	304	130.	100
Endosulfan I	ND		ug/kg	162	38.3	100
Endosulfan II	ND		ug/kg	162	54.2	100
Endosulfan sulfate	ND		ug/kg	67.6	30.9	100
Methoxychlor	ND		ug/kg	304	94.6	100
Toxaphene	ND		ug/kg	3040	852.	100
trans-Chlordane	ND		ug/kg	203	53.5	100
Chlordane	ND		ug/kg	1320	537.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-14	Date Collected:	12/28/11 14:51
Client ID:	SB-7 (14-15)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	01/02/12 10:15
Analytical Date:	01/04/12 10:00	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.84	0.360	1
Lindane	ND		ug/kg	0.766	0.342	1
Alpha-BHC	ND		ug/kg	0.766	0.218	1
Beta-BHC	ND		ug/kg	1.84	0.697	1
Heptachlor	ND		ug/kg	0.920	0.412	1
Aldrin	ND		ug/kg	1.84	0.648	1
Heptachlor epoxide	ND		ug/kg	3.45	1.03	1
Endrin	ND		ug/kg	0.766	0.314	1
Endrin ketone	ND		ug/kg	1.84	0.474	1
Dieldrin	ND		ug/kg	1.15	0.575	1
4,4'-DDE	ND		ug/kg	1.84	0.425	1
4,4'-DDD	ND		ug/kg	1.84	0.656	1
4,4'-DDT	ND		ug/kg	3.45	1.48	1
Endosulfan I	ND		ug/kg	1.84	0.434	1
Endosulfan II	ND		ug/kg	1.84	0.614	1
Endosulfan sulfate	ND		ug/kg	0.766	0.350	1
Methoxychlor	ND		ug/kg	3.45	1.07	1
Toxaphene	ND		ug/kg	34.5	9.66	1
trans-Chlordane	ND		ug/kg	2.30	0.607	1
Chlordane	ND		ug/kg	14.9	6.09	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**2010**	Q	30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	126		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-15	Date Collected:	12/28/11 15:26
Client ID:	SB-8 (4-5)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	01/02/12 10:15
Analytical Date:	01/04/12 10:12	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.83	0.359	1
Lindane	ND		ug/kg	0.763	0.341	1
Alpha-BHC	ND		ug/kg	0.763	0.217	1
Beta-BHC	ND		ug/kg	1.83	0.695	1
Heptachlor	ND		ug/kg	0.916	0.411	1
Aldrin	ND		ug/kg	1.83	0.645	1
Heptachlor epoxide	ND		ug/kg	3.44	1.03	1
Endrin	ND		ug/kg	0.763	0.313	1
Endrin ketone	ND		ug/kg	1.83	0.472	1
Dieldrin	ND		ug/kg	1.14	0.573	1
4,4'-DDE	ND		ug/kg	1.83	0.424	1
4,4'-DDD	ND		ug/kg	1.83	0.654	1
4,4'-DDT	ND		ug/kg	3.44	1.47	1
Endosulfan I	ND		ug/kg	1.83	0.433	1
Endosulfan II	ND		ug/kg	1.83	0.612	1
Endosulfan sulfate	ND		ug/kg	0.763	0.349	1
Methoxychlor	ND		ug/kg	3.44	1.07	1
Toxaphene	ND		ug/kg	34.4	9.62	1
trans-Chlordane	ND		ug/kg	2.29	0.605	1
Chlordane	ND		ug/kg	14.9	6.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	116		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-16	D	Date Collected:	12/28/11 15:32
Client ID:	SB-8 (14-15)		Date Received:	12/30/11
Sample Location:	547 10TH AVE.		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081A		Extraction Date:	01/02/12 10:15
Analytical Date:	01/04/12 10:25		Cleanup Method1:	EPA 3620B
Analyst:	BW		Cleanup Date1:	01/04/12
Percent Solids:	79%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	19.5	3.82	10
Lindane	ND		ug/kg	8.12	3.63	10
Alpha-BHC	ND		ug/kg	8.12	2.30	10
Beta-BHC	ND		ug/kg	19.5	7.39	10
Heptachlor	ND		ug/kg	9.74	4.37	10
Aldrin	ND		ug/kg	19.5	6.86	10
Heptachlor epoxide	ND		ug/kg	36.5	11.0	10
Endrin	ND		ug/kg	8.12	3.33	10
Endrin ketone	ND		ug/kg	19.5	5.02	10
Dieldrin	ND		ug/kg	12.2	6.09	10
4,4'-DDE	ND		ug/kg	19.5	4.51	10
4,4'-DDD	ND		ug/kg	19.5	6.95	10
4,4'-DDT	ND		ug/kg	36.5	15.7	10
Endosulfan I	ND		ug/kg	19.5	4.60	10
Endosulfan II	ND		ug/kg	19.5	6.51	10
Endosulfan sulfate	ND		ug/kg	8.12	3.71	10
Methoxychlor	ND		ug/kg	36.5	11.4	10
Toxaphene	ND		ug/kg	365	102.	10
trans-Chlordane	ND		ug/kg	24.4	6.43	10
Chlordane	ND		ug/kg	158	64.5	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	**152**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-17	Date Collected:	12/28/11 15:55
Client ID:	SB-9 (3-4)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	01/02/12 10:15
Analytical Date:	01/04/12 10:38	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.77	0.346	1
Lindane	ND		ug/kg	0.736	0.329	1
Alpha-BHC	ND		ug/kg	0.736	0.209	1
Beta-BHC	ND		ug/kg	1.77	0.670	1
Heptachlor	ND		ug/kg	0.883	0.396	1
Aldrin	ND		ug/kg	1.77	0.622	1
Heptachlor epoxide	ND		ug/kg	3.31	0.994	1
Endrin	ND		ug/kg	0.736	0.302	1
Endrin ketone	ND		ug/kg	1.77	0.455	1
Dieldrin	ND		ug/kg	1.10	0.552	1
4,4'-DDE	ND		ug/kg	1.77	0.408	1
4,4'-DDD	ND		ug/kg	1.77	0.630	1
4,4'-DDT	ND		ug/kg	3.31	1.42	1
Endosulfan I	ND		ug/kg	1.77	0.417	1
Endosulfan II	ND		ug/kg	1.77	0.590	1
Endosulfan sulfate	ND		ug/kg	0.736	0.336	1
Methoxychlor	ND		ug/kg	3.31	1.03	1
Toxaphene	ND		ug/kg	33.1	9.27	1
trans-Chlordane	ND		ug/kg	2.21	0.583	1
Chlordane	ND		ug/kg	14.4	5.85	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: EXTELL
Lab Number: L1121840
Project Number: 11454-0002
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-18	Date Collected:	12/28/11 16:03
Client ID:	SB-9 (14-15)	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	01/02/12 10:15
Analytical Date:	01/04/12 14:06	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.81	0.355	1
Lindane	ND		ug/kg	0.756	0.338	1
Alpha-BHC	ND		ug/kg	0.756	0.214	1
Beta-BHC	ND		ug/kg	1.81	0.688	1
Heptachlor	ND		ug/kg	0.907	0.406	1
Aldrin	ND		ug/kg	1.81	0.638	1
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1
Endrin	ND		ug/kg	0.756	0.310	1
Endrin ketone	ND		ug/kg	1.81	0.467	1
Dieldrin	ND		ug/kg	1.13	0.567	1
4,4'-DDE	ND		ug/kg	1.81	0.419	1
4,4'-DDD	ND		ug/kg	1.81	0.647	1
4,4'-DDT	ND		ug/kg	3.40	1.46	1
Endosulfan I	ND		ug/kg	1.81	0.428	1
Endosulfan II	ND		ug/kg	1.81	0.606	1
Endosulfan sulfate	ND		ug/kg	0.756	0.345	1
Methoxychlor	ND		ug/kg	3.40	1.06	1
Toxaphene	ND		ug/kg	34.0	9.52	1
trans-Chlordane	ND		ug/kg	2.27	0.598	1
Chlordane	ND		ug/kg	14.7	6.01	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	125		30-150	A
Decachlorobiphenyl	149		30-150	A
2,4,5,6-Tetrachloro-m-xylene	108		30-150	B
Decachlorobiphenyl	129		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-24	Date Collected:	12/28/11 10:25
Client ID:	TW-1	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081A	Extraction Date:	01/03/12 12:03
Analytical Date:	01/04/12 07:16	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.027	0.006	1
Lindane	ND		ug/l	0.027	0.006	1
Alpha-BHC	ND		ug/l	0.027	0.006	1
Beta-BHC	ND		ug/l	0.027	0.007	1
Heptachlor	ND		ug/l	0.027	0.004	1
Aldrin	ND		ug/l	0.027	0.003	1
Heptachlor epoxide	ND		ug/l	0.027	0.006	1
Endrin	ND		ug/l	0.053	0.006	1
Endrin ketone	ND		ug/l	0.053	0.006	1
Dieldrin	ND		ug/l	0.053	0.006	1
4,4'-DDE	ND		ug/l	0.053	0.005	1
4,4'-DDD	ND		ug/l	0.053	0.006	1
4,4'-DDT	ND		ug/l	0.053	0.006	1
Endosulfan I	ND		ug/l	0.027	0.005	1
Endosulfan II	ND		ug/l	0.053	0.007	1
Endosulfan sulfate	ND		ug/l	0.053	0.006	1
Methoxychlor	ND		ug/l	0.267	0.009	1
Toxaphene	ND		ug/l	0.267	0.084	1
trans-Chlordane	ND		ug/l	0.027	0.008	1
Chlordane	ND		ug/l	0.267	0.062	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-25	Date Collected:	12/28/11 11:07
Client ID:	TW-2	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081A	Extraction Date:	01/03/12 12:03
Analytical Date:	01/04/12 07:30	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.027	0.006	1
Lindane	ND		ug/l	0.027	0.006	1
Alpha-BHC	ND		ug/l	0.027	0.006	1
Beta-BHC	ND		ug/l	0.027	0.008	1
Heptachlor	ND		ug/l	0.027	0.004	1
Aldrin	ND		ug/l	0.027	0.003	1
Heptachlor epoxide	ND		ug/l	0.027	0.006	1
Endrin	ND		ug/l	0.055	0.006	1
Endrin ketone	ND		ug/l	0.055	0.007	1
Dieldrin	ND		ug/l	0.055	0.006	1
4,4'-DDE	ND		ug/l	0.055	0.005	1
4,4'-DDD	ND		ug/l	0.055	0.006	1
4,4'-DDT	ND		ug/l	0.055	0.006	1
Endosulfan I	ND		ug/l	0.027	0.005	1
Endosulfan II	ND		ug/l	0.055	0.007	1
Endosulfan sulfate	ND		ug/l	0.055	0.007	1
Methoxychlor	ND		ug/l	0.274	0.009	1
Toxaphene	ND		ug/l	0.274	0.086	1
trans-Chlordane	ND		ug/l	0.027	0.009	1
Chlordane	ND		ug/l	0.274	0.063	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-26	Date Collected:	12/28/11 14:55
Client ID:	TW-4	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081A	Extraction Date:	01/03/12 12:03
Analytical Date:	01/04/12 07:43	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.023	0.005	1
Lindane	ND		ug/l	0.023	0.005	1
Alpha-BHC	ND		ug/l	0.023	0.005	1
Beta-BHC	ND		ug/l	0.023	0.007	1
Heptachlor	ND		ug/l	0.023	0.004	1
Aldrin	ND		ug/l	0.023	0.003	1
Heptachlor epoxide	ND		ug/l	0.023	0.005	1
Endrin	ND		ug/l	0.047	0.005	1
Endrin ketone	ND		ug/l	0.047	0.006	1
Dieldrin	ND		ug/l	0.047	0.005	1
4,4'-DDE	ND		ug/l	0.047	0.004	1
4,4'-DDD	ND		ug/l	0.047	0.005	1
4,4'-DDT	ND		ug/l	0.047	0.005	1
Endosulfan I	ND		ug/l	0.023	0.004	1
Endosulfan II	ND		ug/l	0.047	0.006	1
Endosulfan sulfate	ND		ug/l	0.047	0.006	1
Methoxychlor	ND		ug/l	0.232	0.008	1
Toxaphene	ND		ug/l	0.232	0.073	1
trans-Chlordane	ND		ug/l	0.023	0.007	1
Chlordane	ND		ug/l	0.232	0.054	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-27	Date Collected:	12/29/11 09:39
Client ID:	TW-7	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081A	Extraction Date:	01/03/12 12:03
Analytical Date:	01/04/12 07:55	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.021	0.005	1
Lindane	ND		ug/l	0.021	0.005	1
Alpha-BHC	ND		ug/l	0.021	0.005	1
Beta-BHC	ND		ug/l	0.021	0.006	1
Heptachlor	ND		ug/l	0.021	0.003	1
Aldrin	ND		ug/l	0.021	0.002	1
Heptachlor epoxide	ND		ug/l	0.021	0.004	1
Endrin	ND		ug/l	0.042	0.004	1
Endrin ketone	ND		ug/l	0.042	0.005	1
Dieldrin	ND		ug/l	0.042	0.004	1
4,4'-DDE	ND		ug/l	0.042	0.004	1
4,4'-DDD	ND		ug/l	0.042	0.005	1
4,4'-DDT	ND		ug/l	0.042	0.005	1
Endosulfan I	ND		ug/l	0.021	0.004	1
Endosulfan II	ND		ug/l	0.042	0.005	1
Endosulfan sulfate	ND		ug/l	0.042	0.005	1
Methoxychlor	ND		ug/l	0.208	0.007	1
Toxaphene	ND		ug/l	0.208	0.066	1
trans-Chlordane	ND		ug/l	0.021	0.007	1
Chlordane	ND		ug/l	0.208	0.048	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-28	Date Collected:	12/29/11 11:39
Client ID:	TW-8	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081A	Extraction Date:	01/03/12 12:03
Analytical Date:	01/04/12 08:08	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.029	0.007	1
Lindane	ND		ug/l	0.029	0.006	1
Alpha-BHC	ND		ug/l	0.029	0.006	1
Beta-BHC	ND		ug/l	0.029	0.008	1
Heptachlor	ND		ug/l	0.029	0.005	1
Aldrin	ND		ug/l	0.029	0.003	1
Heptachlor epoxide	ND		ug/l	0.029	0.006	1
Endrin	ND		ug/l	0.059	0.006	1
Endrin ketone	ND		ug/l	0.059	0.007	1
Dieldrin	ND		ug/l	0.059	0.006	1
4,4'-DDE	ND		ug/l	0.059	0.006	1
4,4'-DDD	ND		ug/l	0.059	0.007	1
4,4'-DDT	ND		ug/l	0.059	0.006	1
Endosulfan I	ND		ug/l	0.029	0.005	1
Endosulfan II	ND		ug/l	0.059	0.008	1
Endosulfan sulfate	ND		ug/l	0.059	0.007	1
Methoxychlor	ND		ug/l	0.294	0.010	1
Toxaphene	ND		ug/l	0.294	0.093	1
trans-Chlordane	ND		ug/l	0.029	0.009	1
Chlordane	ND		ug/l	0.294	0.068	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-29	Date Collected:	12/29/11 08:58
Client ID:	TW-9	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081A	Extraction Date:	01/03/12 12:03
Analytical Date:	01/04/12 08:21	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.022	0.005	1
Lindane	ND		ug/l	0.022	0.005	1
Alpha-BHC	ND		ug/l	0.022	0.005	1
Beta-BHC	ND		ug/l	0.022	0.006	1
Heptachlor	ND		ug/l	0.022	0.003	1
Aldrin	ND		ug/l	0.022	0.002	1
Heptachlor epoxide	ND		ug/l	0.022	0.005	1
Endrin	ND		ug/l	0.044	0.005	1
Endrin ketone	ND		ug/l	0.044	0.005	1
Dieldrin	ND		ug/l	0.044	0.005	1
4,4'-DDE	ND		ug/l	0.044	0.004	1
4,4'-DDD	ND		ug/l	0.044	0.005	1
4,4'-DDT	ND		ug/l	0.044	0.005	1
Endosulfan I	ND		ug/l	0.022	0.004	1
Endosulfan II	ND		ug/l	0.044	0.006	1
Endosulfan sulfate	ND		ug/l	0.044	0.005	1
Methoxychlor	ND		ug/l	0.217	0.007	1
Toxaphene	ND		ug/l	0.217	0.069	1
trans-Chlordane	ND		ug/l	0.022	0.007	1
Chlordane	ND		ug/l	0.217	0.050	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	111		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-32	Date Collected:	12/30/11 12:15
Client ID:	MW-1	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081A	Extraction Date:	01/03/12 12:03
Analytical Date:	01/04/12 08:34	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.021	0.005	1
Lindane	ND		ug/l	0.021	0.005	1
Alpha-BHC	ND		ug/l	0.021	0.005	1
Beta-BHC	ND		ug/l	0.021	0.006	1
Heptachlor	ND		ug/l	0.021	0.003	1
Aldrin	ND		ug/l	0.021	0.002	1
Heptachlor epoxide	0.016	J	ug/l	0.021	0.004	1
Endrin	ND		ug/l	0.043	0.005	1
Endrin ketone	ND		ug/l	0.043	0.005	1
Dieldrin	ND		ug/l	0.043	0.005	1
4,4'-DDE	ND		ug/l	0.043	0.004	1
4,4'-DDD	ND		ug/l	0.043	0.005	1
4,4'-DDT	ND		ug/l	0.043	0.005	1
Endosulfan I	ND		ug/l	0.021	0.004	1
Endosulfan II	ND		ug/l	0.043	0.006	1
Endosulfan sulfate	ND		ug/l	0.043	0.005	1
Methoxychlor	ND		ug/l	0.213	0.007	1
Toxaphene	ND		ug/l	0.213	0.067	1
trans-Chlordane	ND		ug/l	0.021	0.007	1
Chlordane	ND		ug/l	0.213	0.049	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-33	Date Collected:	12/30/11 13:14
Client ID:	MW-2	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081A	Extraction Date:	01/03/12 12:03
Analytical Date:	01/04/12 08:46	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.026	0.006	1
Lindane	ND		ug/l	0.026	0.006	1
Alpha-BHC	ND		ug/l	0.026	0.006	1
Beta-BHC	ND		ug/l	0.026	0.007	1
Heptachlor	ND		ug/l	0.026	0.004	1
Aldrin	ND		ug/l	0.026	0.003	1
Heptachlor epoxide	ND		ug/l	0.026	0.005	1
Endrin	ND		ug/l	0.051	0.006	1
Endrin ketone	ND		ug/l	0.051	0.006	1
Dieldrin	ND		ug/l	0.051	0.006	1
4,4'-DDE	ND		ug/l	0.051	0.005	1
4,4'-DDD	ND		ug/l	0.051	0.006	1
4,4'-DDT	ND		ug/l	0.051	0.006	1
Endosulfan I	ND		ug/l	0.026	0.004	1
Endosulfan II	0.016	J	ug/l	0.051	0.007	1
Endosulfan sulfate	ND		ug/l	0.051	0.006	1
Methoxychlor	ND		ug/l	0.256	0.009	1
Toxaphene	ND		ug/l	0.256	0.081	1
trans-Chlordane	ND		ug/l	0.026	0.008	1
Chlordane	ND		ug/l	0.256	0.059	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-34	Date Collected:	12/30/11 13:56
Client ID:	MW-3	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081A	Extraction Date:	01/03/12 12:03
Analytical Date:	01/04/12 08:59	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.024	0.005	1
Lindane	ND		ug/l	0.024	0.005	1
Alpha-BHC	ND		ug/l	0.024	0.005	1
Beta-BHC	ND		ug/l	0.024	0.007	1
Heptachlor	ND		ug/l	0.024	0.004	1
Aldrin	ND		ug/l	0.024	0.003	1
Heptachlor epoxide	ND		ug/l	0.024	0.005	1
Endrin	ND		ug/l	0.047	0.005	1
Endrin ketone	ND		ug/l	0.047	0.006	1
Dieldrin	ND		ug/l	0.047	0.005	1
4,4'-DDE	ND		ug/l	0.047	0.004	1
4,4'-DDD	ND		ug/l	0.047	0.005	1
4,4'-DDT	ND		ug/l	0.047	0.005	1
Endosulfan I	ND		ug/l	0.024	0.004	1
Endosulfan II	ND		ug/l	0.047	0.006	1
Endosulfan sulfate	ND		ug/l	0.047	0.006	1
Methoxychlor	ND		ug/l	0.235	0.008	1
Toxaphene	ND		ug/l	0.235	0.074	1
trans-Chlordane	ND		ug/l	0.024	0.007	1
Chlordane	ND		ug/l	0.235	0.055	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

SAMPLE RESULTS

Lab ID:	L1121840-35	Date Collected:	12/30/11 14:40
Client ID:	MW-4	Date Received:	12/30/11
Sample Location:	547 10TH AVE.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081A	Extraction Date:	01/03/12 12:03
Analytical Date:	01/04/12 09:12	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	01/04/12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/l	0.021	0.005	1
Lindane	ND		ug/l	0.021	0.005	1
Alpha-BHC	ND		ug/l	0.021	0.005	1
Beta-BHC	ND		ug/l	0.021	0.006	1
Heptachlor	ND		ug/l	0.021	0.003	1
Aldrin	ND		ug/l	0.021	0.002	1
Heptachlor epoxide	ND		ug/l	0.021	0.004	1
Endrin	ND		ug/l	0.043	0.005	1
Endrin ketone	ND		ug/l	0.043	0.005	1
Dieldrin	ND		ug/l	0.043	0.005	1
4,4'-DDE	ND		ug/l	0.043	0.004	1
4,4'-DDD	ND		ug/l	0.043	0.005	1
4,4'-DDT	ND		ug/l	0.043	0.005	1
Endosulfan I	0.071	P	ug/l	0.021	0.004	1
Endosulfan II	ND		ug/l	0.043	0.006	1
Endosulfan sulfate	ND		ug/l	0.043	0.005	1
Methoxychlor	ND		ug/l	0.213	0.007	1
Toxaphene	ND		ug/l	0.213	0.067	1
trans-Chlordane	ND		ug/l	0.021	0.007	1
Chlordane	ND		ug/l	0.213	0.049	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081A
Analytical Date: 01/04/12 14:19
Analyst: BW

Extraction Method: EPA 3546
Extraction Date: 01/02/12 10:11
Cleanup Method1: EPA 3620B
Cleanup Date1: 01/04/12

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-18 Batch: WG511446-1					
Delta-BHC	ND		ug/kg	1.58	0.309
Lindane	ND		ug/kg	0.658	0.294
Alpha-BHC	ND		ug/kg	0.658	0.187
Beta-BHC	ND		ug/kg	1.58	0.599
Heptachlor	ND		ug/kg	0.789	0.354
Aldrin	ND		ug/kg	1.58	0.556
Heptachlor epoxide	ND		ug/kg	2.96	0.888
Endrin	ND		ug/kg	0.658	0.270
Endrin ketone	ND		ug/kg	1.58	0.406
Dieldrin	ND		ug/kg	0.987	0.493
4,4'-DDE	ND		ug/kg	1.58	0.365
4,4'-DDD	ND		ug/kg	1.58	0.563
4,4'-DDT	ND		ug/kg	2.96	1.27
Endosulfan I	ND		ug/kg	1.58	0.373
Endosulfan II	ND		ug/kg	1.58	0.528
Endosulfan sulfate	ND		ug/kg	0.658	0.301
Methoxychlor	ND		ug/kg	2.96	0.921
Toxaphene	ND		ug/kg	29.6	8.29
trans-Chlordane	ND		ug/kg	1.97	0.521
Chlordane	ND		ug/kg	12.8	5.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081A
Analytical Date: 01/04/12 09:25
Analyst: BW

Extraction Method: EPA 3510C
Extraction Date: 01/03/12 12:03
Cleanup Method1: EPA 3620B
Cleanup Date1: 01/04/12

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 24-29,32-35 Batch: WG511561-1					
Delta-BHC	ND		ug/l	0.020	0.005
Lindane	ND		ug/l	0.020	0.004
Alpha-BHC	ND		ug/l	0.020	0.004
Beta-BHC	ND		ug/l	0.020	0.006
Heptachlor	ND		ug/l	0.020	0.003
Aldrin	ND		ug/l	0.020	0.002
Heptachlor epoxide	ND		ug/l	0.020	0.004
Endrin	ND		ug/l	0.040	0.004
Endrin ketone	ND		ug/l	0.040	0.005
Dieldrin	ND		ug/l	0.040	0.004
4,4'-DDE	ND		ug/l	0.040	0.004
4,4'-DDD	ND		ug/l	0.040	0.005
4,4'-DDT	ND		ug/l	0.040	0.004
Endosulfan I	ND		ug/l	0.020	0.003
Endosulfan II	ND		ug/l	0.040	0.005
Endosulfan sulfate	ND		ug/l	0.040	0.005
Methoxychlor	ND		ug/l	0.200	0.007
Toxaphene	ND		ug/l	0.200	0.063
trans-Chlordane	ND		ug/l	0.020	0.006
Chlordane	ND		ug/l	0.200	0.046

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	61		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-18 Batch: WG511446-2 WG511446-3								
Delta-BHC	90		66		30-150	**31**	Q	30
Lindane	89		66		30-150	30		30
Alpha-BHC	88		68		30-150	26		30
Beta-BHC	98		75		30-150	27		30
Heptachlor	94		71		30-150	28		30
Aldrin	96		71		30-150	30		30
Heptachlor epoxide	99		75		30-150	28		30
Endrin	104		77		30-150	30		30
Endrin ketone	81		61		30-150	28		30
Dieldrin	109		81		30-150	29		30
4,4'-DDE	107		80		30-150	29		30
4,4'-DDD	105		79		30-150	28		30
4,4'-DDT	96		72		30-150	29		30
Endosulfan I	105		78		30-150	30		30
Endosulfan II	101		75		30-150	30		30
Endosulfan sulfate	87		65		30-150	29		30
Methoxychlor	85		61		30-150	**33**	Q	30
trans-Chlordane	104		82		30-150	24		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-18 Batch: WG511446-2 WG511446-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		78		30-150	A
Decachlorobiphenyl	97		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		60		30-150	B
Decachlorobiphenyl	114		80		30-150	B

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 24-29,32-35 Batch: WG511561-2 WG511561-3								
Delta-BHC	75		73		30-150	2		20
Lindane	78		76		30-150	3		20
Alpha-BHC	81		78		30-150	4		20
Beta-BHC	76		72		30-150	6		20
Heptachlor	70		70		30-150	0		20
Aldrin	69		68		30-150	1		20
Heptachlor epoxide	83		81		30-150	3		20
Endrin	110		104		30-150	6		20
Endrin ketone	79		78		30-150	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 24-29,32-35 Batch: WG511561-2 WG511561-3								
Dieldrin	91		90		30-150	1		20
4,4'-DDE	93		91		30-150	2		20
4,4'-DDD	87		85		30-150	3		20
4,4'-DDT	86		86		30-150	1		20
Endosulfan I	92		90		30-150	2		20
Endosulfan II	89		90		30-150	1		20
Endosulfan sulfate	103		102		30-150	1		20
Methoxychlor	94		94		30-150	0		20
trans-Chlordane	80		79		30-150	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		60		30-150	A
Decachlorobiphenyl	45		57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		52		30-150	B
Decachlorobiphenyl	61		78		30-150	B

METALS

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-01
Client ID: SB-1 (3-4)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 89%

Date Collected: 12/28/11 09:50
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5900		mg/kg	8.9	2.0	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Antimony, Total	1.4	J	mg/kg	4.4	0.85	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Arsenic, Total	3.8		mg/kg	0.89	0.30	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Barium, Total	81		mg/kg	0.89	0.08	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Beryllium, Total	0.40	J	mg/kg	0.44	0.03	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Cadmium, Total	0.22	J	mg/kg	0.89	0.06	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Calcium, Total	59000		mg/kg	220	48.	50	01/04/12 17:05	01/05/12 10:30	EPA 3050B	1,6010B	MG
Chromium, Total	26		mg/kg	0.89	0.18	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Cobalt, Total	25		mg/kg	1.8	0.19	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Copper, Total	28		mg/kg	0.89	0.41	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Iron, Total	14000		mg/kg	4.4	1.5	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Lead, Total	60		mg/kg	4.4	0.25	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Magnesium, Total	29000		mg/kg	8.9	4.0	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Manganese, Total	330		mg/kg	0.89	0.09	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Mercury, Total	0.51		mg/kg	0.08	0.02	1	01/03/12 20:30	01/04/12 12:47	EPA 7471A	1,7471A	JP
Nickel, Total	350		mg/kg	2.2	0.25	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Potassium, Total	1400		mg/kg	220	71.	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Selenium, Total	0.91	J	mg/kg	1.8	0.29	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.89	0.15	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Sodium, Total	280		mg/kg	180	71.	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.8	0.55	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Vanadium, Total	21		mg/kg	0.89	0.20	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG
Zinc, Total	120		mg/kg	4.4	0.48	2	01/04/12 17:05	01/05/12 10:13	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-02
Client ID: SB-1 (13-14)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 84%

Date Collected: 12/28/11 09:55
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	10000		mg/kg	8.9	2.0	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Antimony, Total	1.8	J	mg/kg	4.5	0.86	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Arsenic, Total	2.7		mg/kg	0.89	0.30	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Barium, Total	55		mg/kg	0.89	0.08	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Beryllium, Total	0.40	J	mg/kg	0.45	0.03	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.89	0.06	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Calcium, Total	10000		mg/kg	8.9	1.9	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Chromium, Total	13		mg/kg	0.89	0.18	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Cobalt, Total	6.0		mg/kg	1.8	0.19	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Copper, Total	19		mg/kg	0.89	0.42	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Iron, Total	14000		mg/kg	4.5	1.5	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Lead, Total	38		mg/kg	4.5	0.25	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Magnesium, Total	5400		mg/kg	8.9	4.0	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Manganese, Total	300		mg/kg	0.89	0.09	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Mercury, Total	0.07	J	mg/kg	0.08	0.02	1	01/03/12 20:30	01/04/12 12:49	EPA 7471A	1,7471A	JP
Nickel, Total	14		mg/kg	2.2	0.25	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Potassium, Total	1200		mg/kg	220	71.	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Selenium, Total	0.93	J	mg/kg	1.8	0.29	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.89	0.15	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Sodium, Total	240		mg/kg	180	71.	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.8	0.56	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Vanadium, Total	17		mg/kg	0.89	0.20	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG
Zinc, Total	49		mg/kg	4.5	0.48	2	01/04/12 17:05	01/05/12 10:46	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-03
Client ID: SB-2 (0-1)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 86%

Date Collected: 12/28/11 10:46
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9600		mg/kg	8.8	2.0	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Antimony, Total	1.7	J	mg/kg	4.4	0.84	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Arsenic, Total	7.0		mg/kg	0.88	0.30	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Barium, Total	290		mg/kg	0.88	0.07	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Beryllium, Total	0.60		mg/kg	0.44	0.03	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Cadmium, Total	0.38	J	mg/kg	0.88	0.06	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Calcium, Total	32000		mg/kg	8.8	1.9	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Chromium, Total	15		mg/kg	0.88	0.18	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Cobalt, Total	6.8		mg/kg	1.8	0.19	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Copper, Total	51		mg/kg	0.88	0.41	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Iron, Total	15000		mg/kg	4.4	1.5	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Lead, Total	520		mg/kg	4.4	0.24	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Magnesium, Total	4300		mg/kg	8.8	3.9	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Manganese, Total	280		mg/kg	0.88	0.09	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Mercury, Total	0.56		mg/kg	0.08	0.02	1	01/03/12 20:30	01/04/12 12:51	EPA 7471A	1,7471A	JP
Nickel, Total	25		mg/kg	2.2	0.24	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Potassium, Total	1400		mg/kg	220	70.	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Selenium, Total	1.1	J	mg/kg	1.8	0.29	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Silver, Total	0.28	J	mg/kg	0.88	0.14	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Sodium, Total	700		mg/kg	180	70.	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.8	0.54	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Vanadium, Total	35		mg/kg	0.88	0.20	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG
Zinc, Total	490		mg/kg	4.4	0.47	2	01/04/12 17:05	01/05/12 10:49	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-04
Client ID: SB-2 (13-14)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 83%

Date Collected: 12/28/11 10:52
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	13000		mg/kg	10	2.2	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Antimony, Total	1.4	J	mg/kg	5.0	0.96	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Arsenic, Total	3.0		mg/kg	1.0	0.34	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Barium, Total	52		mg/kg	1.0	0.08	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Beryllium, Total	0.46	J	mg/kg	0.50	0.04	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	1.0	0.06	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Calcium, Total	1400		mg/kg	10	2.2	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Chromium, Total	16		mg/kg	1.0	0.20	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Cobalt, Total	6.8		mg/kg	2.0	0.21	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Copper, Total	22		mg/kg	1.0	0.46	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Iron, Total	15000		mg/kg	5.0	1.7	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Lead, Total	52		mg/kg	5.0	0.28	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Magnesium, Total	3200		mg/kg	10	4.5	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Manganese, Total	170		mg/kg	1.0	0.10	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Mercury, Total	0.12		mg/kg	0.09	0.02	1	01/03/12 20:30	01/04/12 12:53	EPA 7471A	1,7471A	JP
Nickel, Total	15		mg/kg	2.5	0.28	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Potassium, Total	1100		mg/kg	250	80.	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Selenium, Total	1.0	J	mg/kg	2.0	0.33	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	1.0	0.16	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Sodium, Total	150	J	mg/kg	200	80.	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	2.0	0.62	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Vanadium, Total	22		mg/kg	1.0	0.22	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG
Zinc, Total	38		mg/kg	5.0	0.54	2	01/04/12 17:05	01/05/12 10:52	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-05
Client ID: SB-3 (1-2)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 85%

Date Collected: 12/28/11 11:20
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7700		mg/kg	9.1	2.0	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Antimony, Total	1.9	J	mg/kg	4.6	0.87	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Arsenic, Total	11		mg/kg	0.91	0.31	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Barium, Total	600		mg/kg	0.91	0.08	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Beryllium, Total	2.4		mg/kg	0.46	0.03	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Cadmium, Total	0.45	J	mg/kg	0.91	0.06	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Calcium, Total	94000		mg/kg	230	49.	50	01/04/12 17:05	01/05/12 11:44	EPA 3050B	1,6010B	MG
Chromium, Total	19		mg/kg	0.91	0.18	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Cobalt, Total	12		mg/kg	1.8	0.20	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Copper, Total	210		mg/kg	0.91	0.42	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Iron, Total	16000		mg/kg	4.6	1.6	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Lead, Total	680		mg/kg	4.6	0.26	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Magnesium, Total	5200		mg/kg	9.1	4.1	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Manganese, Total	670		mg/kg	0.91	0.09	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Mercury, Total	0.66		mg/kg	0.09	0.02	1	01/03/12 20:30	01/04/12 12:58	EPA 7471A	1,7471A	JP
Nickel, Total	48		mg/kg	2.3	0.25	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Potassium, Total	1100		mg/kg	230	73.	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Selenium, Total	1.7	J	mg/kg	1.8	0.30	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Silver, Total	0.32	J	mg/kg	0.91	0.15	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Sodium, Total	650		mg/kg	180	72.	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.8	0.57	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Vanadium, Total	40		mg/kg	0.91	0.20	2	01/04/12 17:05	01/05/12 10:55	EPA 3050B	1,6010B	MG
Zinc, Total	1200		mg/kg	110	12.	50	01/04/12 17:05	01/05/12 11:44	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-06
Client ID: SB-3 (13-14)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 86%

Date Collected: 12/28/11 11:25
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	12000		mg/kg	9.4	2.1	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Antimony, Total	1.3	J	mg/kg	4.7	0.90	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Arsenic, Total	3.1		mg/kg	0.94	0.32	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Barium, Total	87		mg/kg	0.94	0.08	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Beryllium, Total	0.45	J	mg/kg	0.47	0.03	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.94	0.06	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Calcium, Total	2900		mg/kg	9.4	2.0	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Chromium, Total	15		mg/kg	0.94	0.19	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Cobalt, Total	6.0		mg/kg	1.9	0.20	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Copper, Total	17		mg/kg	0.94	0.44	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Iron, Total	14000		mg/kg	4.7	1.6	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Lead, Total	70		mg/kg	4.7	0.26	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Magnesium, Total	2800		mg/kg	9.4	4.2	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Manganese, Total	220		mg/kg	0.94	0.10	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Mercury, Total	0.12		mg/kg	0.09	0.02	1	01/03/12 20:30	01/04/12 13:00	EPA 7471A	1,7471A	JP
Nickel, Total	13		mg/kg	2.4	0.26	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Potassium, Total	1400		mg/kg	240	75.	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Selenium, Total	0.94	J	mg/kg	1.9	0.31	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.94	0.15	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Sodium, Total	170	J	mg/kg	190	75.	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.9	0.59	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Vanadium, Total	21		mg/kg	0.94	0.21	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG
Zinc, Total	39		mg/kg	4.7	0.51	2	01/04/12 17:05	01/05/12 10:57	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-07
Client ID: SB-4 (2-3)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 87%

Date Collected: 12/28/11 12:14
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6300		mg/kg	8.7	1.9	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Antimony, Total	1.9	J	mg/kg	4.4	0.84	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Arsenic, Total	6.2		mg/kg	0.87	0.30	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Barium, Total	330		mg/kg	0.87	0.07	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Beryllium, Total	0.25	J	mg/kg	0.44	0.03	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Cadmium, Total	0.52	J	mg/kg	0.87	0.06	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Calcium, Total	58000		mg/kg	220	47.	50	01/04/12 17:05	01/05/12 16:11	EPA 3050B	1,6010B	MG
Chromium, Total	17		mg/kg	0.87	0.18	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Cobalt, Total	5.2		mg/kg	1.7	0.19	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Copper, Total	29		mg/kg	0.87	0.40	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Iron, Total	20000		mg/kg	4.4	1.5	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Lead, Total	310		mg/kg	4.4	0.24	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Magnesium, Total	5200		mg/kg	8.7	3.9	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Manganese, Total	300		mg/kg	0.87	0.09	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Mercury, Total	0.39		mg/kg	0.09	0.02	1	01/03/12 20:30	01/04/12 13:13	EPA 7471A	1,7471A	JP
Nickel, Total	13		mg/kg	2.2	0.24	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Potassium, Total	1300		mg/kg	220	70.	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Selenium, Total	1.2	J	mg/kg	1.7	0.29	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Silver, Total	0.17	J	mg/kg	0.87	0.14	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Sodium, Total	460		mg/kg	170	70.	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.7	0.54	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Vanadium, Total	19		mg/kg	0.87	0.20	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG
Zinc, Total	560		mg/kg	4.4	0.47	2	01/04/12 17:05	01/05/12 11:00	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-08
Client ID: SB-4 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 86%

Date Collected: 12/28/11 12:20
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	15000		mg/kg	9.7	2.2	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Antimony, Total	2.6	J	mg/kg	4.8	0.92	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Arsenic, Total	2.7		mg/kg	0.97	0.33	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Barium, Total	140		mg/kg	0.97	0.08	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Beryllium, Total	0.49		mg/kg	0.48	0.03	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.97	0.06	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Calcium, Total	2100		mg/kg	9.7	2.1	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Chromium, Total	26		mg/kg	0.97	0.20	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Cobalt, Total	8.7		mg/kg	1.9	0.21	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Copper, Total	35		mg/kg	0.97	0.45	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Iron, Total	20000		mg/kg	4.8	1.7	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Lead, Total	59		mg/kg	4.8	0.27	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Magnesium, Total	5300		mg/kg	9.7	4.3	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Manganese, Total	200		mg/kg	0.97	0.10	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Mercury, Total	0.14		mg/kg	0.09	0.02	1	01/03/12 20:30	01/04/12 13:15	EPA 7471A	1,7471A	JP
Nickel, Total	17		mg/kg	2.4	0.27	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Potassium, Total	4500		mg/kg	240	77.	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Selenium, Total	1.3	J	mg/kg	1.9	0.32	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.97	0.16	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Sodium, Total	290		mg/kg	190	77.	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.9	0.60	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Vanadium, Total	45		mg/kg	0.97	0.22	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG
Zinc, Total	55		mg/kg	4.8	0.52	2	01/04/12 17:05	01/05/12 11:03	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-09
Client ID: SB-5 (2-3)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 89%

Date Collected: 12/28/11 12:43
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9900		mg/kg	8.4	1.9	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Antimony, Total	2.4	J	mg/kg	4.2	0.80	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Arsenic, Total	16		mg/kg	0.84	0.29	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Barium, Total	560		mg/kg	0.84	0.07	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Beryllium, Total	0.96		mg/kg	0.42	0.03	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Cadmium, Total	1.0		mg/kg	0.84	0.05	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Calcium, Total	73000		mg/kg	210	46.	50	01/04/12 17:05	01/05/12 11:46	EPA 3050B	1,6010B	MG
Chromium, Total	18		mg/kg	0.84	0.17	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Cobalt, Total	5.3		mg/kg	1.7	0.18	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Copper, Total	68		mg/kg	0.84	0.39	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Iron, Total	15000		mg/kg	4.2	1.4	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Lead, Total	630		mg/kg	4.2	0.23	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Magnesium, Total	14000		mg/kg	8.4	3.8	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Manganese, Total	390		mg/kg	0.84	0.09	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Mercury, Total	0.32		mg/kg	0.09	0.02	1	01/03/12 20:30	01/04/12 13:17	EPA 7471A	1,7471A	JP
Nickel, Total	24		mg/kg	2.1	0.23	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Potassium, Total	2100		mg/kg	210	67.	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Selenium, Total	1.6	J	mg/kg	1.7	0.28	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Silver, Total	0.46	J	mg/kg	0.84	0.14	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Sodium, Total	440		mg/kg	170	67.	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.7	0.52	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Vanadium, Total	76		mg/kg	0.84	0.19	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG
Zinc, Total	470		mg/kg	4.2	0.45	2	01/04/12 17:05	01/05/12 11:06	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-10
Client ID: SB-5 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 81%

Date Collected: 12/28/11 12:50
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	13000		mg/kg	10	2.3	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Antimony, Total	1.8	J	mg/kg	5.2	1.0	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Arsenic, Total	4.4		mg/kg	1.0	0.36	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Barium, Total	66		mg/kg	1.0	0.09	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Beryllium, Total	0.45	J	mg/kg	0.52	0.04	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	1.0	0.07	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Calcium, Total	3500		mg/kg	10	2.3	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Chromium, Total	16		mg/kg	1.0	0.21	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Cobalt, Total	8.4		mg/kg	2.1	0.22	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Copper, Total	22		mg/kg	1.0	0.49	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Iron, Total	20000		mg/kg	5.2	1.8	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Lead, Total	100		mg/kg	5.2	0.29	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Magnesium, Total	3700		mg/kg	10	4.7	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Manganese, Total	270		mg/kg	1.0	0.11	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Mercury, Total	1.0		mg/kg	0.08	0.02	1	01/03/12 20:30	01/04/12 13:19	EPA 7471A	1,7471A	JP
Nickel, Total	15		mg/kg	2.6	0.29	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Potassium, Total	1300		mg/kg	260	84.	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Selenium, Total	1.4	J	mg/kg	2.1	0.34	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	1.0	0.17	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Sodium, Total	280		mg/kg	210	84.	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	2.1	0.65	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Vanadium, Total	21		mg/kg	1.0	0.23	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG
Zinc, Total	53		mg/kg	5.2	0.57	2	01/04/12 17:05	01/05/12 11:24	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-11
Client ID: SB-6 (1-2)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 89%

Date Collected: 12/28/11 13:45
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4200		mg/kg	9.6	2.1	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Antimony, Total	1.3	J	mg/kg	4.8	0.92	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Arsenic, Total	5.1		mg/kg	0.96	0.33	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Barium, Total	280		mg/kg	0.96	0.08	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Beryllium, Total	0.27	J	mg/kg	0.48	0.03	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Cadmium, Total	0.83	J	mg/kg	0.96	0.06	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Calcium, Total	36000		mg/kg	9.6	2.1	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Chromium, Total	17		mg/kg	0.96	0.19	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Cobalt, Total	2.7		mg/kg	1.9	0.21	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Copper, Total	38		mg/kg	0.96	0.44	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Iron, Total	7800		mg/kg	4.8	1.7	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Lead, Total	780		mg/kg	4.8	0.27	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Magnesium, Total	8100		mg/kg	9.6	4.3	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Manganese, Total	120		mg/kg	0.96	0.10	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Mercury, Total	0.66		mg/kg	0.08	0.02	1	01/03/12 20:30	01/04/12 13:21	EPA 7471A	1,7471A	JP
Nickel, Total	13		mg/kg	2.4	0.27	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Potassium, Total	660		mg/kg	240	77.	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Selenium, Total	0.58	J	mg/kg	1.9	0.31	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Silver, Total	0.17	J	mg/kg	0.96	0.16	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Sodium, Total	360		mg/kg	190	76.	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.9	0.60	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Vanadium, Total	30		mg/kg	0.96	0.21	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG
Zinc, Total	550		mg/kg	4.8	0.52	2	01/04/12 17:05	01/05/12 11:26	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-12
Client ID: SB-6 (13-14)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 86%

Date Collected: 12/28/11 13:50
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8000		mg/kg	9.6	2.1	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Antimony, Total	1.1	J	mg/kg	4.8	0.92	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Arsenic, Total	2.8		mg/kg	0.96	0.33	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Barium, Total	220		mg/kg	0.96	0.08	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Beryllium, Total	0.33	J	mg/kg	0.48	0.03	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Cadmium, Total	0.08	J	mg/kg	0.96	0.06	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Calcium, Total	8200		mg/kg	9.6	2.1	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Chromium, Total	13		mg/kg	0.96	0.19	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Cobalt, Total	5.8		mg/kg	1.9	0.20	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Copper, Total	33		mg/kg	0.96	0.44	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Iron, Total	11000		mg/kg	4.8	1.6	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Lead, Total	460		mg/kg	4.8	0.27	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Magnesium, Total	2800		mg/kg	9.6	4.3	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Manganese, Total	140		mg/kg	0.96	0.10	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Mercury, Total	0.73		mg/kg	0.09	0.02	1	01/03/12 20:30	01/04/12 17:22	EPA 7471A	1,7471A	JP
Nickel, Total	13		mg/kg	2.4	0.27	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Potassium, Total	1500		mg/kg	240	76.	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Selenium, Total	0.74	J	mg/kg	1.9	0.31	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.96	0.16	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Sodium, Total	200		mg/kg	190	76.	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.9	0.60	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Vanadium, Total	19		mg/kg	0.96	0.21	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG
Zinc, Total	140		mg/kg	4.8	0.52	2	01/04/12 17:05	01/05/12 11:29	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-13
Client ID: SB-7 (3-4)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 94%

Date Collected: 12/28/11 14:40
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5100		mg/kg	8.4	1.9	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	4.2	0.80	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Arsenic, Total	3.9		mg/kg	0.84	0.29	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Barium, Total	32		mg/kg	0.84	0.07	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Beryllium, Total	0.21	J	mg/kg	0.42	0.03	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Cadmium, Total	0.10	J	mg/kg	0.84	0.05	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Calcium, Total	45000		mg/kg	210	46.	50	01/04/12 17:05	01/05/12 11:58	EPA 3050B	1,6010B	MG
Chromium, Total	11		mg/kg	0.84	0.17	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Cobalt, Total	2.8		mg/kg	1.7	0.18	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Copper, Total	13		mg/kg	0.84	0.39	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Iron, Total	6700		mg/kg	4.2	1.4	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Lead, Total	57		mg/kg	4.2	0.24	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Magnesium, Total	7200		mg/kg	8.4	3.8	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Manganese, Total	170		mg/kg	0.84	0.09	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Mercury, Total	0.13		mg/kg	0.09	0.02	1	01/03/12 20:30	01/04/12 17:24	EPA 7471A	1,7471A	JP
Nickel, Total	7.9		mg/kg	2.1	0.23	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Potassium, Total	620		mg/kg	210	67.	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Selenium, Total	0.49	J	mg/kg	1.7	0.28	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.84	0.14	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Sodium, Total	260		mg/kg	170	67.	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.7	0.52	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Vanadium, Total	20		mg/kg	0.84	0.19	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG
Zinc, Total	38		mg/kg	4.2	0.45	2	01/04/12 17:05	01/05/12 11:31	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-14
Client ID: SB-7 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 87%

Date Collected: 12/28/11 14:51
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	12000		mg/kg	8.8	2.0	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Antimony, Total	1.9	J	mg/kg	4.4	0.84	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Arsenic, Total	4.3		mg/kg	0.88	0.30	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Barium, Total	140		mg/kg	0.88	0.07	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Beryllium, Total	0.50		mg/kg	0.44	0.03	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.88	0.06	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Calcium, Total	6000		mg/kg	8.8	1.9	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Chromium, Total	24		mg/kg	0.88	0.18	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Cobalt, Total	8.6		mg/kg	1.8	0.19	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Copper, Total	39		mg/kg	0.88	0.41	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Iron, Total	17000		mg/kg	4.4	1.5	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Lead, Total	240		mg/kg	4.4	0.25	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Magnesium, Total	5000		mg/kg	8.8	4.0	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Manganese, Total	240		mg/kg	0.88	0.09	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Mercury, Total	2.0		mg/kg	0.15	0.03	2	01/03/12 20:30	01/04/12 17:43	EPA 7471A	1,7471A	JP
Nickel, Total	19		mg/kg	2.2	0.25	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Potassium, Total	3900		mg/kg	220	71.	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Selenium, Total	1.4	J	mg/kg	1.8	0.29	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.88	0.14	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Sodium, Total	320		mg/kg	180	70.	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.8	0.55	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Vanadium, Total	31		mg/kg	0.88	0.20	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG
Zinc, Total	77		mg/kg	4.4	0.48	2	01/04/12 17:05	01/05/12 11:34	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-15
Client ID: SB-8 (4-5)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 86%

Date Collected: 12/28/11 15:26
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7800		mg/kg	9.3	2.1	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Antimony, Total	0.95	J	mg/kg	4.7	0.89	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Arsenic, Total	7.0		mg/kg	0.93	0.32	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Barium, Total	500		mg/kg	0.93	0.08	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Beryllium, Total	0.38	J	mg/kg	0.47	0.03	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Cadmium, Total	0.25	J	mg/kg	0.93	0.06	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Calcium, Total	26000		mg/kg	9.3	2.0	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Chromium, Total	9.8		mg/kg	0.93	0.19	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Cobalt, Total	3.8		mg/kg	1.9	0.20	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Copper, Total	32		mg/kg	0.93	0.43	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Iron, Total	9000		mg/kg	4.7	1.6	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Lead, Total	4700		mg/kg	4.7	0.26	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Magnesium, Total	4000		mg/kg	9.3	4.2	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Manganese, Total	250		mg/kg	0.93	0.09	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Mercury, Total	0.62		mg/kg	0.09	0.02	1	01/06/12 10:00	01/06/12 14:04	EPA 7471A	1,7471A	JP
Nickel, Total	9.0		mg/kg	2.3	0.26	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Potassium, Total	840		mg/kg	230	75.	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Selenium, Total	1.2	J	mg/kg	1.9	0.31	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.93	0.15	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Sodium, Total	590		mg/kg	190	74.	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.9	0.58	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Vanadium, Total	15		mg/kg	0.93	0.21	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG
Zinc, Total	400		mg/kg	4.7	0.50	2	01/04/12 17:05	01/05/12 11:36	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-16
Client ID: SB-8 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 79%

Date Collected: 12/28/11 15:32
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9000		mg/kg	11	2.4	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Antimony, Total	1.6	J	mg/kg	5.3	1.0	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Arsenic, Total	7.2		mg/kg	1.1	0.36	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Barium, Total	110		mg/kg	1.1	0.09	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Beryllium, Total	0.44	J	mg/kg	0.53	0.04	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	1.1	0.07	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Calcium, Total	15000		mg/kg	11	2.3	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Chromium, Total	16		mg/kg	1.1	0.22	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Cobalt, Total	6.3		mg/kg	2.1	0.23	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Copper, Total	35		mg/kg	1.1	0.50	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Iron, Total	16000		mg/kg	5.3	1.8	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Lead, Total	270		mg/kg	5.3	0.30	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Magnesium, Total	3100		mg/kg	11	4.8	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Manganese, Total	290		mg/kg	1.1	0.11	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Mercury, Total	0.61		mg/kg	0.08	0.02	1	01/06/12 10:00	01/06/12 14:06	EPA 7471A	1,7471A	JP
Nickel, Total	14		mg/kg	2.7	0.30	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Potassium, Total	1400		mg/kg	270	85.	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Selenium, Total	2.2		mg/kg	2.1	0.35	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	1.1	0.18	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Sodium, Total	680		mg/kg	210	85.	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	2.1	0.67	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Vanadium, Total	21		mg/kg	1.1	0.24	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG
Zinc, Total	93		mg/kg	5.3	0.58	2	01/04/12 17:05	01/05/12 11:39	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-17
Client ID: SB-9 (3-4)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 88%

Date Collected: 12/28/11 15:55
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	17000		mg/kg	9.2	2.0	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Antimony, Total	2.5	J	mg/kg	4.6	0.88	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Arsenic, Total	2.2		mg/kg	0.92	0.32	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Barium, Total	170		mg/kg	0.92	0.08	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Beryllium, Total	0.49		mg/kg	0.46	0.03	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.92	0.06	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Calcium, Total	5400		mg/kg	9.2	2.0	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Chromium, Total	23		mg/kg	0.92	0.19	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Cobalt, Total	14		mg/kg	1.8	0.20	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Copper, Total	48		mg/kg	0.92	0.43	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Iron, Total	24000		mg/kg	4.6	1.6	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Lead, Total	170		mg/kg	4.6	0.26	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Magnesium, Total	7000		mg/kg	9.2	4.1	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Manganese, Total	420		mg/kg	0.92	0.09	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Mercury, Total	0.22		mg/kg	0.10	0.02	1	01/06/12 10:00	01/06/12 14:11	EPA 7471A	1,7471A	JP
Nickel, Total	23		mg/kg	2.3	0.26	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Potassium, Total	5800		mg/kg	230	74.	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Selenium, Total	1.5	J	mg/kg	1.8	0.30	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.92	0.15	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Sodium, Total	330		mg/kg	180	73.	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.8	0.57	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Vanadium, Total	40		mg/kg	0.92	0.20	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG
Zinc, Total	65		mg/kg	4.6	0.50	2	01/04/12 17:05	01/05/12 11:41	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-18
Client ID: SB-9 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil
Percent Solids: 85%

Date Collected: 12/28/11 16:03
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9400		mg/kg	10	2.2	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Antimony, Total	1.3	J	mg/kg	5.0	0.96	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Arsenic, Total	6.6		mg/kg	1.0	0.34	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Barium, Total	160		mg/kg	1.0	0.09	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Beryllium, Total	0.50		mg/kg	0.50	0.04	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	1.0	0.06	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Calcium, Total	5100		mg/kg	10	2.2	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Chromium, Total	16		mg/kg	1.0	0.20	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Cobalt, Total	8.1		mg/kg	2.0	0.22	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Copper, Total	30		mg/kg	1.0	0.47	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Iron, Total	14000		mg/kg	5.0	1.7	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Lead, Total	120		mg/kg	5.0	0.28	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Magnesium, Total	2600		mg/kg	10	4.5	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Manganese, Total	340		mg/kg	1.0	0.10	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Mercury, Total	0.54		mg/kg	0.09	0.02	1	01/06/12 10:00	01/06/12 14:13	EPA 7471A	1,7471A	JP
Nickel, Total	16		mg/kg	2.5	0.28	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Potassium, Total	1800		mg/kg	250	81.	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Selenium, Total	1.4	J	mg/kg	2.0	0.33	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	1.0	0.16	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Sodium, Total	400		mg/kg	200	80.	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	2.0	0.63	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Vanadium, Total	24		mg/kg	1.0	0.22	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG
Zinc, Total	55		mg/kg	5.0	0.55	2	01/04/12 17:05	01/05/12 11:56	EPA 3050B	1,6010B	MG

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-24
Client ID: TW-1
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/28/11 10:25
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6.1		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Antimony, Total	ND		mg/l	0.0010	0.0002	2	01/03/12 17:00	01/05/12 00:55	EPA 3005A	1,6020	BM
Arsenic, Total	0.005		mg/l	0.005	0.002	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Barium, Total	0.661		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Beryllium, Total	0.0019		mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 00:55	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Calcium, Total	240		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Chromium, Total	0.32		mg/l	0.01	0.002	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Cobalt, Total	0.020	J	mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Copper, Total	0.021		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Iron, Total	55		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Lead, Total	0.132		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Magnesium, Total	58		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Manganese, Total	6.07		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Mercury, Total	0.0006		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 18:39	EPA 7470A	1,7470A	JP
Nickel, Total	0.220		mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Potassium, Total	44		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Selenium, Total	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Silver, Total	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Sodium, Total	170		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 00:55	EPA 3005A	1,6020	BM
Vanadium, Total	0.059		mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Zinc, Total	0.050	J	mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 14:05	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.07	J	mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0007		mg/l	0.0005	0.0001	1	01/03/12 17:00	01/04/12 20:52	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.005	0.003	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.309		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 20:52	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-24
Client ID: TW-1
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/28/11 10:25
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	220		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	ND		mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Iron, Dissolved	0.15		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Lead, Dissolved	0.003	J	mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	57		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Manganese, Dissolved	0.929		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 20:27	EPA 7470A	1,7470A	JP
Nickel, Dissolved	0.008	J	mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Potassium, Dissolved	42		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Sodium, Dissolved	170		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 20:52	EPA 3005A	1,6020	BM
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI
Zinc, Dissolved	0.016	J	mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 09:55	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-25
Client ID: TW-2
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/28/11 11:07
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4.2		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Antimony, Total	0.0005	J	mg/l	0.0010	0.0002	2	01/03/12 17:00	01/05/12 01:20	EPA 3005A	1,6020	BM
Arsenic, Total	0.0090		mg/l	0.005	0.002	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Barium, Total	0.237		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Beryllium, Total	0.0008	J	mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 01:20	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Calcium, Total	300		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Chromium, Total	0.58		mg/l	0.01	0.002	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Cobalt, Total	0.011	J	mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Copper, Total	0.190		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Iron, Total	49		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Lead, Total	0.108		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Magnesium, Total	85		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Manganese, Total	1.59		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Mercury, Total	0.0002		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 18:41	EPA 7470A	1,7470A	JP
Nickel, Total	0.224		mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Potassium, Total	48		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Selenium, Total	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Silver, Total	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Sodium, Total	240		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Thallium, Total	0.0004	J	mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 01:20	EPA 3005A	1,6020	BM
Vanadium, Total	0.027		mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Zinc, Total	0.073		mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 14:17	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.08	J	mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0003	J	mg/l	0.0005	0.0001	1	01/03/12 17:00	01/04/12 21:17	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.005	0.003	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.220		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 21:17	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-25
Client ID: TW-2
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/28/11 11:07
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	300		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	ND		mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Iron, Dissolved	0.18		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Lead, Dissolved	0.003	J	mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	86		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Manganese, Dissolved	1.10		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 20:29	EPA 7470A	1,7470A	JP
Nickel, Dissolved	0.024	J	mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Potassium, Dissolved	48		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Sodium, Dissolved	250		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Thallium, Dissolved	0.0001	J	mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 21:17	EPA 3005A	1,6020	BM
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI
Zinc, Dissolved	0.015	J	mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 10:21	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-26
Client ID: TW-4
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/28/11 14:55
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	19		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Antimony, Total	ND		mg/l	0.0010	0.0002	2	01/03/12 17:00	01/05/12 01:38	EPA 3005A	1,6020	BM
Arsenic, Total	0.010		mg/l	0.005	0.002	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Barium, Total	0.202		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Beryllium, Total	0.0066		mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 01:38	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Calcium, Total	570		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Chromium, Total	0.69		mg/l	0.01	0.002	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Cobalt, Total	0.018	J	mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Copper, Total	ND		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Iron, Total	62		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Lead, Total	0.035		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Magnesium, Total	62		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Manganese, Total	6.13		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Mercury, Total	0.0006		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 18:43	EPA 7470A	1,7470A	JP
Nickel, Total	0.310		mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Potassium, Total	37		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Selenium, Total	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Silver, Total	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Sodium, Total	100		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Thallium, Total	0.0001	J	mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 01:38	EPA 3005A	1,6020	BM
Vanadium, Total	0.128		mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Zinc, Total	0.066		mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 14:20	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.08	J	mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0005		mg/l	0.0005	0.0001	1	01/03/12 17:00	01/04/12 21:23	EPA 3005A	1,6020	BM
Arsenic, Dissolved	0.007		mg/l	0.005	0.003	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.106		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 21:23	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-26
Client ID: TW-4
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/28/11 14:55
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	540		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	ND		mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Iron, Dissolved	0.09		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Lead, Dissolved	0.007	J	mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	61		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Manganese, Dissolved	2.04		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 20:31	EPA 7470A	1,7470A	JP
Nickel, Dissolved	0.005	J	mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Potassium, Dissolved	33		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Sodium, Dissolved	100		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 21:23	EPA 3005A	1,6020	BM
Vanadium, Dissolved	0.005	J	mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI
Zinc, Dissolved	0.013	J	mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 10:24	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-27
Client ID: TW-7
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/29/11 09:39
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5.6		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Antimony, Total	0.0007	J	mg/l	0.0010	0.0002	2	01/03/12 17:00	01/05/12 01:45	EPA 3005A	1,6020	BM
Arsenic, Total	0.006		mg/l	0.005	0.002	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Barium, Total	0.027		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Beryllium, Total	0.0040		mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 01:45	EPA 3005A	1,6020	BM
Cadmium, Total	0.001	J	mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Calcium, Total	390		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Chromium, Total	0.003	J	mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Cobalt, Total	0.042		mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Copper, Total	0.040		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Iron, Total	51		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Lead, Total	0.030		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Magnesium, Total	64		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Manganese, Total	4.67		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Mercury, Total	0.0014		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 18:45	EPA 7470A	1,7470A	JP
Nickel, Total	0.080		mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Potassium, Total	24		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Selenium, Total	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Silver, Total	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Sodium, Total	75		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Thallium, Total	0.0002	J	mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 01:45	EPA 3005A	1,6020	BM
Vanadium, Total	0.003	J	mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Zinc, Total	0.595		mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 14:23	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	4.7		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0003	J	mg/l	0.0005	0.0001	1	01/03/12 17:00	01/04/12 21:29	EPA 3005A	1,6020	BM
Arsenic, Dissolved	0.007		mg/l	0.005	0.003	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.025		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	0.0033		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 21:29	EPA 3005A	1,6020	BM
Cadmium, Dissolved	0.001	J	mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-27
Client ID: TW-7
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/29/11 09:39
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	380		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Chromium, Dissolved	0.002	J	mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	0.041		mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Copper, Dissolved	0.035		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Iron, Dissolved	29		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Lead, Dissolved	0.023		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	62		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Manganese, Dissolved	4.47		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Mercury, Dissolved	0.0003		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 20:33	EPA 7470A	1,7470A	JP
Nickel, Dissolved	0.077		mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Potassium, Dissolved	23		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Sodium, Dissolved	72		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Thallium, Dissolved	0.0002	J	mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 21:29	EPA 3005A	1,6020	BM
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI
Zinc, Dissolved	0.578		mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 10:27	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-28
Client ID: TW-8
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/29/11 11:39
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	1.8		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Antimony, Total	ND		mg/l	0.0010	0.0002	2	01/03/12 17:00	01/05/12 01:51	EPA 3005A	1,6020	BM
Arsenic, Total	0.007		mg/l	0.005	0.002	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Barium, Total	0.085		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Beryllium, Total	0.0003	J	mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 01:51	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Calcium, Total	56		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Chromium, Total	0.004	J	mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Cobalt, Total	0.005	J	mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Copper, Total	0.012		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Iron, Total	29		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Lead, Total	0.020		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Magnesium, Total	67		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Manganese, Total	0.784		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Mercury, Total	ND		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 18:50	EPA 7470A	1,7470A	JP
Nickel, Total	0.008	J	mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Potassium, Total	34		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Selenium, Total	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Silver, Total	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Sodium, Total	300		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 01:51	EPA 3005A	1,6020	BM
Vanadium, Total	0.008	J	mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Zinc, Total	0.012	J	mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 14:41	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.08	J	mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0003	J	mg/l	0.0005	0.0001	1	01/03/12 17:00	01/04/12 21:36	EPA 3005A	1,6020	BM
Arsenic, Dissolved	ND		mg/l	0.005	0.003	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.019		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 21:36	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-28
Client ID: TW-8
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/29/11 11:39
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	52		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	0.003	J	mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Iron, Dissolved	1.2		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Lead, Dissolved	0.005	J	mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	67		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Manganese, Dissolved	0.457		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 20:34	EPA 7470A	1,7470A	JP
Nickel, Dissolved	0.006	J	mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Potassium, Dissolved	33		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Sodium, Dissolved	300		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 21:36	EPA 3005A	1,6020	BM
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI
Zinc, Dissolved	0.013	J	mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 10:30	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-29
Client ID: TW-9
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/29/11 08:58
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2.4		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Antimony, Total	ND		mg/l	0.0010	0.0002	2	01/03/12 17:00	01/05/12 01:57	EPA 3005A	1,6020	BM
Arsenic, Total	0.004	J	mg/l	0.005	0.002	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Barium, Total	0.258		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Beryllium, Total	0.0004	J	mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 01:57	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Calcium, Total	210		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Chromium, Total	0.01	J	mg/l	0.01	0.002	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Cobalt, Total	0.003	J	mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Copper, Total	0.005	J	mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Iron, Total	7.2		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Lead, Total	0.046		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Magnesium, Total	27		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Manganese, Total	1.75		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Mercury, Total	0.0004		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 18:52	EPA 7470A	1,7470A	JP
Nickel, Total	0.007	J	mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Potassium, Total	31		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Selenium, Total	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Silver, Total	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Sodium, Total	42		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 01:57	EPA 3005A	1,6020	BM
Vanadium, Total	0.013		mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Zinc, Total	0.034	J	mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 14:56	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.24		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0003	J	mg/l	0.0005	0.0001	1	01/03/12 17:00	01/04/12 21:54	EPA 3005A	1,6020	BM
Arsenic, Dissolved	0.005	J	mg/l	0.005	0.003	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.180		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	0.00003	J	mg/l	0.00050	0.00003	1	01/03/12 17:00	01/04/12 21:54	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-29
Client ID: TW-9
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/29/11 08:58
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	200		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	ND		mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Iron, Dissolved	0.99		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Lead, Dissolved	0.013		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	26		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Manganese, Dissolved	1.56		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 20:36	EPA 7470A	1,7470A	JP
Nickel, Dissolved	ND		mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Potassium, Dissolved	30		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Sodium, Dissolved	42		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 21:54	EPA 3005A	1,6020	BM
Vanadium, Dissolved	0.004	J	mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI
Zinc, Dissolved	0.012	J	mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 10:33	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-32
Client ID: MW-1
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/30/11 12:15
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	11		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Antimony, Total	ND		mg/l	0.0010	0.0002	2	01/03/12 17:00	01/05/12 02:03	EPA 3005A	1,6020	BM
Arsenic, Total	0.013		mg/l	0.005	0.002	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Barium, Total	0.117		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Beryllium, Total	0.0050		mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 02:03	EPA 3005A	1,6020	BM
Cadmium, Total	0.001	J	mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Calcium, Total	540		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Chromium, Total	0.02		mg/l	0.01	0.002	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Cobalt, Total	0.018	J	mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Copper, Total	0.027		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Iron, Total	180		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Lead, Total	0.155		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Magnesium, Total	120		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Manganese, Total	12.3		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Mercury, Total	0.0005		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 18:58	EPA 7470A	1,7470A	JP
Nickel, Total	0.024	J	mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Potassium, Total	27		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Selenium, Total	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Silver, Total	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Sodium, Total	160		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Thallium, Total	0.0001	J	mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 02:03	EPA 3005A	1,6020	BM
Vanadium, Total	0.037		mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Zinc, Total	0.180		mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 14:44	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.20		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0003	J	mg/l	0.0005	0.0001	1	01/03/12 17:00	01/04/12 22:01	EPA 3005A	1,6020	BM
Arsenic, Dissolved	0.004	J	mg/l	0.005	0.003	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.068		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	0.0012		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 22:01	EPA 3005A	1,6020	BM
Cadmium, Dissolved	0.001	J	mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-32
Client ID: MW-1
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/30/11 12:15
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	580		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Chromium, Dissolved	0.003	J	mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	0.011	J	mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Iron, Dissolved	170		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Lead, Dissolved	0.016		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	130		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Manganese, Dissolved	13.6		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 20:38	EPA 7470A	1,7470A	JP
Nickel, Dissolved	0.018	J	mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Potassium, Dissolved	27		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Sodium, Dissolved	160		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 22:01	EPA 3005A	1,6020	BM
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI
Zinc, Dissolved	0.122		mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 10:36	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-33
Client ID: MW-2
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/30/11 13:14
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2.0		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Antimony, Total	ND		mg/l	0.0010	0.0002	2	01/03/12 17:00	01/05/12 02:10	EPA 3005A	1,6020	BM
Arsenic, Total	0.005	J	mg/l	0.005	0.002	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Barium, Total	0.327		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Beryllium, Total	0.0003	J	mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 02:10	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Calcium, Total	420		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Chromium, Total	0.004	J	mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Cobalt, Total	ND		mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Copper, Total	0.015		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Iron, Total	26		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Lead, Total	0.088		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Magnesium, Total	120		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Manganese, Total	2.53		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Mercury, Total	0.0003		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 19:00	EPA 7470A	1,7470A	JP
Nickel, Total	0.003	J	mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Potassium, Total	33		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Selenium, Total	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Silver, Total	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Sodium, Total	210		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 02:10	EPA 3005A	1,6020	BM
Vanadium, Total	0.0090	J	mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Zinc, Total	0.046	J	mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 14:47	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.05	J	mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0002	J	mg/l	0.0005	0.0001	1	01/03/12 17:00	01/04/12 22:07	EPA 3005A	1,6020	BM
Arsenic, Dissolved	0.004	J	mg/l	0.005	0.003	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.232		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 22:07	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-33
Client ID: MW-2
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/30/11 13:14
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	410		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	ND		mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Iron, Dissolved	1.5		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Lead, Dissolved	0.006	J	mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	120		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Manganese, Dissolved	2.29		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 20:40	EPA 7470A	1,7470A	JP
Nickel, Dissolved	ND		mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Potassium, Dissolved	32		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Sodium, Dissolved	200		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 22:07	EPA 3005A	1,6020	BM
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI
Zinc, Dissolved	0.014	J	mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 10:39	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-34
Client ID: MW-3
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/30/11 13:56
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2.7		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Antimony, Total	ND		mg/l	0.0010	0.0002	2	01/03/12 17:00	01/05/12 02:16	EPA 3005A	1,6020	BM
Arsenic, Total	0.006		mg/l	0.005	0.002	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Barium, Total	0.074		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Beryllium, Total	0.0007	J	mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 02:16	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Calcium, Total	390		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Chromium, Total	0.01	J	mg/l	0.01	0.002	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Cobalt, Total	0.010	J	mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Copper, Total	0.012		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Iron, Total	38		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Lead, Total	0.028		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Magnesium, Total	65		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Manganese, Total	4.71		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Mercury, Total	0.0002	J	mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 19:02	EPA 7470A	1,7470A	JP
Nickel, Total	0.022	J	mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Potassium, Total	19		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Selenium, Total	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Silver, Total	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Sodium, Total	90		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 02:16	EPA 3005A	1,6020	BM
Vanadium, Total	0.010	J	mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Zinc, Total	0.239		mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 14:50	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.09	J	mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0003	J	mg/l	0.0005	0.0001	1	01/03/12 17:00	01/04/12 22:13	EPA 3005A	1,6020	BM
Arsenic, Dissolved	0.005		mg/l	0.005	0.003	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.057		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	0.0001	J	mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 22:13	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-34
Client ID: MW-3
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/30/11 13:56
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	380		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	0.008	J	mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Iron, Dissolved	30		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Lead, Dissolved	0.007	J	mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	61		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Manganese, Dissolved	4.34		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 20:42	EPA 7470A	1,7470A	JP
Nickel, Dissolved	0.018	J	mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Potassium, Dissolved	17		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Sodium, Dissolved	83		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 22:13	EPA 3005A	1,6020	BM
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI
Zinc, Dissolved	0.035	J	mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 10:43	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-35
Client ID: MW-4
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/30/11 14:40
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	1.3		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Antimony, Total	0.0003	J	mg/l	0.0010	0.0002	2	01/03/12 17:00	01/05/12 02:22	EPA 3005A	1,6020	BM
Arsenic, Total	0.004	J	mg/l	0.005	0.002	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Barium, Total	0.061		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Beryllium, Total	0.0002	J	mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 02:22	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Calcium, Total	330		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Chromium, Total	0.002	J	mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Cobalt, Total	ND		mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Copper, Total	0.009	J	mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Iron, Total	39		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Lead, Total	0.014		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Magnesium, Total	52		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Manganese, Total	0.609		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Mercury, Total	0.0001	J	mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 19:03	EPA 7470A	1,7470A	JP
Nickel, Total	ND		mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Potassium, Total	49		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Selenium, Total	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Silver, Total	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Sodium, Total	88		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Thallium, Total	ND		mg/l	0.0010	0.0001	2	01/03/12 17:00	01/05/12 02:22	EPA 3005A	1,6020	BM
Vanadium, Total	0.004	J	mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Zinc, Total	0.041	J	mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 14:53	EPA 3005A	1,6010B	AI
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.08	J	mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Antimony, Dissolved	0.0003	J	mg/l	0.0005	0.0001	1	01/03/12 17:00	01/04/12 22:19	EPA 3005A	1,6020	BM
Arsenic, Dissolved	0.004	J	mg/l	0.005	0.003	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Barium, Dissolved	0.047		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Beryllium, Dissolved	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 22:19	EPA 3005A	1,6020	BM
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-35
Client ID: MW-4
Sample Location: 547 10TH AVE.
Matrix: Water
Date Collected: 12/30/11 14:40
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	360		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Cobalt, Dissolved	ND		mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Iron, Dissolved	29		mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Lead, Dissolved	0.005	J	mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Magnesium, Dissolved	56		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Manganese, Dissolved	0.634		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 20:47	EPA 7470A	1,7470A	JP
Nickel, Dissolved	ND		mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Potassium, Dissolved	52		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Sodium, Dissolved	95		mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Thallium, Dissolved	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 22:19	EPA 3005A	1,6020	BM
Vanadium, Dissolved	ND		mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI
Zinc, Dissolved	0.018	J	mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 10:45	EPA 3005A	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-11 Batch: WG511629-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	01/03/12 20:30	01/04/12 12:35	1,7471A	JP

Prep Information

Digestion Method: EPA 7471A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 12-14 Batch: WG511631-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	01/03/12 20:30	01/04/12 12:35	1,7471A	JP

Prep Information

Digestion Method: EPA 7471A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 24-29,32-35 Batch: WG511635-1										
Aluminum, Dissolved	ND		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Arsenic, Dissolved	ND		mg/l	0.005	0.003	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Barium, Dissolved	ND		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Cadmium, Dissolved	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Calcium, Dissolved	ND		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Chromium, Dissolved	ND		mg/l	0.01	0.002	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Cobalt, Dissolved	ND		mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Copper, Dissolved	ND		mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Iron, Dissolved	0.02	J	mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Lead, Dissolved	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Magnesium, Dissolved	ND		mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Manganese, Dissolved	ND		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Nickel, Dissolved	ND		mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Potassium, Dissolved	ND		mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Selenium, Dissolved	ND		mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Silver, Dissolved	ND		mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

Method Blank Analysis
Batch Quality Control

Sodium, Dissolved	ND	mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Vanadium, Dissolved	ND	mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI
Zinc, Dissolved	ND	mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 09:49	1,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 24-29,32-35 Batch: WG511637-1										
Antimony, Dissolved	ND		mg/l	0.0005	0.0001	1	01/03/12 17:00	01/04/12 20:39	1,6020	BM
Beryllium, Dissolved	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 20:39	1,6020	BM
Thallium, Dissolved	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 20:39	1,6020	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 24-29,32-35 Batch: WG511639-1										
Antimony, Total	ND		mg/l	0.0005	0.0001	1	01/03/12 17:00	01/04/12 19:43	1,6020	BM
Beryllium, Total	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 19:43	1,6020	BM
Thallium, Total	ND		mg/l	0.0005	0.00003	1	01/03/12 17:00	01/04/12 19:43	1,6020	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 24-29,32-35 Batch: WG511655-1										
Aluminum, Total	ND		mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Arsenic, Total	0.002	J	mg/l	0.005	0.002	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Barium, Total	ND		mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Cadmium, Total	ND		mg/l	0.005	0.001	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Calcium, Total	ND	mg/l	0.10	0.02	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Chromium, Total	ND	mg/l	0.01	0.002	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Cobalt, Total	ND	mg/l	0.020	0.002	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Copper, Total	ND	mg/l	0.010	0.005	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Iron, Total	ND	mg/l	0.05	0.02	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Lead, Total	ND	mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Magnesium, Total	ND	mg/l	0.10	0.05	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Manganese, Total	ND	mg/l	0.010	0.001	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Nickel, Total	ND	mg/l	0.025	0.003	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Potassium, Total	ND	mg/l	2.5	0.80	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Selenium, Total	ND	mg/l	0.010	0.003	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Silver, Total	ND	mg/l	0.007	0.002	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Sodium, Total	ND	mg/l	2.0	0.80	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Vanadium, Total	ND	mg/l	0.010	0.002	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI
Zinc, Total	ND	mg/l	0.050	0.005	1	01/03/12 17:00	01/05/12 13:59	1,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-18 Batch: WG511828-1										
Aluminum, Total	ND		mg/kg	4.0	0.89	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Antimony, Total	ND		mg/kg	2.0	0.38	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Arsenic, Total	ND		mg/kg	0.40	0.14	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Barium, Total	ND		mg/kg	0.40	0.03	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Beryllium, Total	ND		mg/kg	0.20	0.01	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Calcium, Total	ND		mg/kg	4.0	0.87	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Cobalt, Total	ND		mg/kg	0.80	0.09	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Copper, Total	ND		mg/kg	0.40	0.18	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Iron, Total	ND		mg/kg	2.0	0.69	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Lead, Total	ND		mg/kg	2.0	0.11	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Magnesium, Total	ND		mg/kg	4.0	1.8	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Manganese, Total	ND		mg/kg	0.40	0.04	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG

Project Name: EXTELL **Lab Number:** L1121840

Project Number: 11454-0002 **Report Date:** 01/09/12

Method Blank Analysis
Batch Quality Control

Nickel, Total	ND	mg/kg	1.0	0.11	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Potassium, Total	ND	mg/kg	100	32.	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Selenium, Total	ND	mg/kg	0.80	0.13	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Silver, Total	ND	mg/kg	0.40	0.07	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Sodium, Total	ND	mg/kg	80	32.	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Thallium, Total	ND	mg/kg	0.80	0.25	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Vanadium, Total	ND	mg/kg	0.40	0.09	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG
Zinc, Total	ND	mg/kg	2.0	0.22	1	01/04/12 17:05	01/05/12 10:08	1,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 15-18 Batch: WG512107-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	01/06/12 10:00	01/06/12 13:16	1,7471A	JP

Prep Information

Digestion Method: EPA 7471A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 24-29,32-35 Batch: WG512512-1										
Mercury, Dissolved	ND		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 20:06	1,7470A	JP

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 24-29,32-35 Batch: WG512513-1										
Mercury, Total	ND		mg/l	0.0002	0.0001	1	01/08/12 11:15	01/08/12 18:35	1,7470A	JP

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-11 Batch: WG511629-2 SRM Lot Number: 0518-10-02								
Mercury, Total	98		-		67-133	-		
Total Metals - Westborough Lab Associated sample(s): 12-14 Batch: WG511631-2 SRM Lot Number: 0518-10-02								
Mercury, Total	98		-		67-133	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 24-29,32-35 Batch: WG511635-2					
Aluminum, Dissolved	100	-	80-120	-	
Arsenic, Dissolved	112	-	80-120	-	
Barium, Dissolved	104	-	80-120	-	
Cadmium, Dissolved	109	-	80-120	-	
Calcium, Dissolved	100	-	80-120	-	
Chromium, Dissolved	100	-	80-120	-	
Cobalt, Dissolved	102	-	80-120	-	
Copper, Dissolved	102	-	80-120	-	
Iron, Dissolved	100	-	80-120	-	
Lead, Dissolved	107	-	80-120	-	
Magnesium, Dissolved	100	-	80-120	-	
Manganese, Dissolved	101	-	80-120	-	
Nickel, Dissolved	102	-	80-120	-	
Potassium, Dissolved	100	-	80-120	-	
Selenium, Dissolved	112	-	80-120	-	
Silver, Dissolved	105	-	80-120	-	
Sodium, Dissolved	99	-	80-120	-	
Vanadium, Dissolved	102	-	80-120	-	
Zinc, Dissolved	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 24-29,32-35 Batch: WG511637-2					
Antimony, Dissolved	90	-	80-120	-	
Beryllium, Dissolved	106	-	80-120	-	
Thallium, Dissolved	98	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 24-29,32-35 Batch: WG511639-2					
Antimony, Total	93	-	80-120	-	
Beryllium, Total	107	-	80-120	-	
Thallium, Total	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 24-29,32-35 Batch: WG511655-2					
Aluminum, Total	100	-	80-120	-	
Arsenic, Total	112	-	80-120	-	
Barium, Total	104	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Calcium, Total	100	-	80-120	-	
Chromium, Total	100	-	80-120	-	
Cobalt, Total	102	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	100	-	80-120	-	
Lead, Total	107	-	80-120	-	
Magnesium, Total	100	-	80-120	-	
Manganese, Total	100	-	80-120	-	
Nickel, Total	102	-	80-120	-	
Potassium, Total	100	-	80-120	-	
Selenium, Total	114	-	80-120	-	
Silver, Total	103	-	80-120	-	
Sodium, Total	99	-	80-120	-	
Vanadium, Total	100	-	80-120	-	
Zinc, Total	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1121840

Report Date: 01/09/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-18 Batch: WG511828-2					
Aluminum, Total	102	-	75-125	-	
Antimony, Total	98	-	75-125	-	
Arsenic, Total	100	-	75-125	-	
Barium, Total	96	-	75-125	-	
Beryllium, Total	101	-	75-125	-	
Cadmium, Total	99	-	75-125	-	
Calcium, Total	96	-	75-125	-	
Chromium, Total	96	-	75-125	-	
Cobalt, Total	98	-	75-125	-	
Copper, Total	101	-	75-125	-	
Iron, Total	102	-	75-125	-	
Lead, Total	99	-	75-125	-	
Magnesium, Total	97	-	75-125	-	
Manganese, Total	98	-	75-125	-	
Nickel, Total	96	-	75-125	-	
Potassium, Total	91	-	75-125	-	
Selenium, Total	98	-	75-125	-	
Silver, Total	96	-	75-125	-	
Sodium, Total	101	-	75-125	-	
Thallium, Total	98	-	75-125	-	
Vanadium, Total	98	-	75-125	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-18 Batch: WG511828-2					
Zinc, Total	93	-	75-125	-	
Total Metals - Westborough Lab Associated sample(s): 15-18 Batch: WG512107-2 SRM Lot Number: 0518-10-02					
Mercury, Total	102	-	67-133	-	
Dissolved Metals - Westborough Lab Associated sample(s): 24-29,32-35 Batch: WG512512-2					
Mercury, Dissolved	99	-	70-130	-	
Total Metals - Westborough Lab Associated sample(s): 24-29,32-35 Batch: WG512513-2					
Mercury, Total	101	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG511629-4 QC Sample: L1121321-01 Client ID: MS Sample												
Mercury, Total	ND	0.156	0.16	103		-	-		70-130	-		35
Total Metals - Westborough Lab Associated sample(s): 12-14 QC Batch ID: WG511631-4 QC Sample: L1121840-12 Client ID: SB-6 (13-14)												
Mercury, Total	0.73	0.149	6.2	**3670**	Q	-	-		70-130	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 24-29,32-35 QC Batch ID: WG511635-4 QC Sample: L1121840-24 Client ID: TW-1									
Aluminum, Dissolved	0.07J	2	2.0	100	-	-	75-125	-	20
Arsenic, Dissolved	ND	0.12	0.141	118	-	-	75-125	-	20
Barium, Dissolved	0.309	2	2.38	104	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.054	105	-	-	75-125	-	20
Calcium, Dissolved	220	10	230	100	-	-	75-125	-	20
Chromium, Dissolved	ND	0.2	0.20	100	-	-	75-125	-	20
Cobalt, Dissolved	ND	0.5	0.498	100	-	-	75-125	-	20
Copper, Dissolved	ND	0.25	0.255	102	-	-	75-125	-	20
Iron, Dissolved	0.15	1	1.2	105	-	-	75-125	-	20
Lead, Dissolved	0.003J	0.51	0.522	102	-	-	75-125	-	20
Magnesium, Dissolved	57.	10	67	100	-	-	75-125	-	20
Manganese, Dissolved	0.929	0.5	1.42	98	-	-	75-125	-	20
Nickel, Dissolved	0.008J	0.5	0.497	99	-	-	75-125	-	20
Potassium, Dissolved	42.	10	53	110	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.134	112	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.054	107	-	-	75-125	-	20
Sodium, Dissolved	170	10	180	100	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.508	102	-	-	75-125	-	20
Zinc, Dissolved	0.016J	0.5	0.506	101	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 24-29,32-35 QC Batch ID: WG511637-4 QC Sample: L1121840-24 Client ID: TW-1									
Antimony, Dissolved	0.0007	0.5	0.4852	97	-	-	80-120	-	20
Beryllium, Dissolved	ND	0.05	0.0530	106	-	-	80-120	-	20
Thallium, Dissolved	ND	0.12	0.1169	97	-	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 24-29,32-35 QC Batch ID: WG511639-4 QC Sample: L1121840-24 Client ID: TW-1									
Antimony, Total	ND	0.5	0.5083	102	-	-	80-120	-	20
Beryllium, Total	0.0019	0.05	0.0525	101	-	-	80-120	-	20
Thallium, Total	ND	0.12	0.1187	99	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 24-29,32-35 QC Batch ID: WG511655-4 QC Sample: L1121840-24 Client ID: TW-1										
Aluminum, Total	6.1	2	9.8	**185**	Q	-	-	75-125	-	20
Arsenic, Total	0.005	0.12	0.141	118		-	-	75-125	-	20
Barium, Total	0.661	2	2.66	100		-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.051	100		-	-	75-125	-	20
Calcium, Total	240	10	240	**0**	Q	-	-	75-125	-	20
Chromium, Total	0.32	0.2	0.58	**130**	Q	-	-	75-125	-	20
Cobalt, Total	0.020J	0.5	0.500	100		-	-	75-125	-	20
Copper, Total	0.021	0.25	0.283	105		-	-	75-125	-	20
Iron, Total	55.	1	63	**800**	Q	-	-	75-125	-	20
Lead, Total	0.132	0.51	0.653	102		-	-	75-125	-	20
Magnesium, Total	58.	10	66	80		-	-	75-125	-	20
Manganese, Total	6.07	0.5	7.01	**188**	Q	-	-	75-125	-	20
Nickel, Total	0.220	0.5	0.730	102		-	-	75-125	-	20
Potassium, Total	44.	10	54	100		-	-	75-125	-	20
Selenium, Total	ND	0.12	0.129	108		-	-	75-125	-	20
Silver, Total	ND	0.05	0.052	103		-	-	75-125	-	20
Sodium, Total	170	10	180	100		-	-	75-125	-	20
Vanadium, Total	0.059	0.5	0.555	99		-	-	75-125	-	20
Zinc, Total	0.050J	0.5	0.529	106		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG511828-4 QC Sample: L1121840-01 Client ID: SB-1 (3-4)										
Aluminum, Total	5900	179	6200	**168**		-	-	75-125	-	35
Antimony, Total	1.4J	44.8	14	**31**	Q	-	-	75-125	-	35
Arsenic, Total	3.8	10.7	14	95		-	-	75-125	-	35
Barium, Total	81.	179	250	94		-	-	75-125	-	35
Beryllium, Total	0.40J	4.48	4.5	100		-	-	75-125	-	35
Cadmium, Total	0.22J	4.57	4.2	92		-	-	75-125	-	35
Calcium, Total	59000	895	37000	**0**		-	-	75-125	-	35
Chromium, Total	26.	17.9	47	117		-	-	75-125	-	35
Cobalt, Total	25.	44.8	61	80		-	-	75-125	-	35
Copper, Total	28.	22.4	44	**71**	Q	-	-	75-125	-	35
Iron, Total	14000	89.5	12000	**0**		-	-	75-125	-	35
Lead, Total	60.	45.7	100	88		-	-	75-125	-	35
Magnesium, Total	29000	895	19000	**0**		-	-	75-125	-	35
Manganese, Total	330	44.8	370	89		-	-	75-125	-	35
Nickel, Total	350	44.8	320	**0**		-	-	75-125	-	35
Potassium, Total	1400	895	2000	**67**	Q	-	-	75-125	-	35
Selenium, Total	0.91J	10.7	11	102		-	-	75-125	-	35
Silver, Total	ND	26.8	26	97		-	-	75-125	-	35
Sodium, Total	280	895	1300	114		-	-	75-125	-	35
Thallium, Total	ND	10.7	9.5	88		-	-	75-125	-	35
Vanadium, Total	21.	44.8	59	85		-	-	75-125	-	35

Matrix Spike Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG511828-4 QC Sample: L1121840-01 Client ID: SB-1 (3-4)										
Zinc, Total	120	44.8	130	**22**	Q	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 15-18 QC Batch ID: WG512107-4 QC Sample: L1121837-01 Client ID: MS Sample										
Mercury, Total	0.15	0.178	0.32	96		-	-	70-130	-	35
Dissolved Metals - Westborough Lab Associated sample(s): 24-29,32-35 QC Batch ID: WG512512-4 QC Sample: L1121788-01 Client ID: MS Sample										
Mercury, Dissolved	ND	0.001	0.0012	117		-	-	70-130	-	20
Total Metals - Westborough Lab Associated sample(s): 24-29,32-35 QC Batch ID: WG512513-4 QC Sample: L1121840-27 Client ID: TW-7										
Mercury, Total	0.0014	0.001	0.0027	**137**	Q	-	-	70-130	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG511629-3 QC Sample: L1121321-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		35
Total Metals - Westborough Lab Associated sample(s): 12-14 QC Batch ID: WG511631-3 QC Sample: L1121840-12 Client ID: SB-6 (13-14)						
Mercury, Total	0.73	0.95	mg/kg	26		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 24-29,32-35 QC Batch ID: WG511635-3 QC Sample: L1121840-24 Client ID: TW-1					
Aluminum, Dissolved	0.07J	0.08J	mg/l	NC	20
Arsenic, Dissolved	ND	ND	mg/l	NC	20
Barium, Dissolved	0.309	0.309	mg/l	0	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	220	220	mg/l	0	20
Chromium, Dissolved	ND	ND	mg/l	NC	20
Cobalt, Dissolved	ND	ND	mg/l	NC	20
Copper, Dissolved	ND	ND	mg/l	NC	20
Iron, Dissolved	0.15	0.16	mg/l	6	20
Lead, Dissolved	0.003J	ND	mg/l	NC	20
Magnesium, Dissolved	57.	57	mg/l	0	20
Manganese, Dissolved	0.929	0.930	mg/l	0	20
Nickel, Dissolved	0.008J	0.008J	mg/l	NC	20
Potassium, Dissolved	42.	42	mg/l	0	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	170	170	mg/l	0	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	0.016J	0.016J	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 24-29,32-35 QC Batch ID: WG511637-3 QC Sample: L1121840-24 Client ID: TW-1					
Antimony, Dissolved	0.0007	0.0004J	mg/l	NC	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 24-29,32-35 QC Batch ID: WG511639-3 QC Sample: L1121840-24 Client ID: TW-1					
Antimony, Total	ND	ND	mg/l	NC	20
Beryllium, Total	0.0019	0.0022	mg/l	12	20
Thallium, Total	ND	0.0001J	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 24-29,32-35 QC Batch ID: WG511655-3 QC Sample: L1121840-24 Client ID: TW-1						
Aluminum, Total	6.1	6.8	mg/l	11		20
Arsenic, Total	0.005	0.005	mg/l	6		20
Barium, Total	0.661	0.630	mg/l	5		20
Cadmium, Total	ND	ND	mg/l	NC		20
Calcium, Total	240	220	mg/l	9		20
Chromium, Total	0.32	0.34	mg/l	6		20
Cobalt, Total	0.020J	0.021	mg/l	NC		20
Copper, Total	0.021	0.028	mg/l	**30**	Q	20
Iron, Total	55.	56	mg/l	2		20
Lead, Total	0.132	0.137	mg/l	4		20
Magnesium, Total	58.	56	mg/l	4		20
Manganese, Total	6.07	6.06	mg/l	0		20
Nickel, Total	0.220	0.232	mg/l	5		20
Potassium, Total	44.	42	mg/l	5		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	170	160	mg/l	6		20
Vanadium, Total	0.059	0.060	mg/l	2		20
Zinc, Total	0.050J	0.052	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG511828-3 QC Sample: L1121840-01 Client ID: SB-1 (3-4)					
Aluminum, Total	5900	5100	mg/kg	15	35
Antimony, Total	1.4J	1.2J	mg/kg	NC	35
Arsenic, Total	3.8	3.8	mg/kg	0	35
Barium, Total	81.	100	mg/kg	21	35
Beryllium, Total	0.40J	0.32J	mg/kg	NC	35
Cadmium, Total	0.22J	0.20J	mg/kg	NC	35
Chromium, Total	26.	25	mg/kg	4	35
Cobalt, Total	25.	19	mg/kg	27	35
Copper, Total	28.	25	mg/kg	11	35
Iron, Total	14000	12000	mg/kg	15	35
Lead, Total	60.	66	mg/kg	10	35
Magnesium, Total	29000	25000	mg/kg	15	35
Manganese, Total	330	320	mg/kg	3	35
Nickel, Total	350	280	mg/kg	22	35
Potassium, Total	1400	1100	mg/kg	24	35
Selenium, Total	0.91J	0.81J	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Sodium, Total	280	250	mg/kg	11	35
Thallium, Total	ND	ND	mg/kg	NC	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG511828-3 QC Sample: L1121840-01 Client ID: SB-1 (3-4)						
Vanadium, Total	21.	21	mg/kg	0		35
Zinc, Total	120	78	mg/kg	**42**	Q	35
Total Metals - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG511828-3 QC Sample: L1121840-01 Client ID: SB-1 (3-4)						
Calcium, Total	59000	76000	mg/kg	25		35
Total Metals - Westborough Lab Associated sample(s): 15-18 QC Batch ID: WG512107-3 QC Sample: L1121837-01 Client ID: DUP Sample						
Mercury, Total	0.15	0.13	mg/kg	14		35
Dissolved Metals - Westborough Lab Associated sample(s): 24-29,32-35 QC Batch ID: WG512512-3 QC Sample: L1121788-01 Client ID: DUP Sample						
Mercury, Dissolved	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 24-29,32-35 QC Batch ID: WG512513-3 QC Sample: L1121840-27 Client ID: TW-7						
Mercury, Total	0.0014	0.0016	mg/l	16		20

INORGANICS
&
MISCELLANEOUS

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-01
Client ID: SB-1 (3-4)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 09:50
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89		%	0.10	NA	1	-	01/04/12 13:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-02
Client ID: SB-1 (13-14)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 09:55
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	01/04/12 13:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-03
Client ID: SB-2 (0-1)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 10:46
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	01/04/12 13:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-04
Client ID: SB-2 (13-14)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 10:52
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83		%	0.10	NA	1	-	01/04/12 13:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-05
Client ID: SB-3 (1-2)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 11:20
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85		%	0.10	NA	1	-	01/04/12 13:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-06
Client ID: SB-3 (13-14)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 11:25
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	01/04/12 13:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-07
Client ID: SB-4 (2-3)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 12:14
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87		%	0.10	NA	1	-	01/04/12 13:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-08
Client ID: SB-4 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 12:20
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	01/04/12 13:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-09
Client ID: SB-5 (2-3)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 12:43
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89		%	0.10	NA	1	-	01/04/12 13:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-10
Client ID: SB-5 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 12:50
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81		%	0.10	NA	1	-	01/04/12 13:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-11
Client ID: SB-6 (1-2)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 13:45
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89		%	0.10	NA	1	-	01/04/12 13:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-12
Client ID: SB-6 (13-14)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 13:50
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	01/04/12 13:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-13
Client ID: SB-7 (3-4)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 14:40
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94		%	0.10	NA	1	-	01/04/12 13:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-14
Client ID: SB-7 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 14:51
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87		%	0.10	NA	1	-	01/04/12 13:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-15
Client ID: SB-8 (4-5)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 15:26
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	01/04/12 13:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-16
Client ID: SB-8 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 15:32
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79		%	0.10	NA	1	-	01/05/12 11:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-17
Client ID: SB-9 (3-4)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 15:55
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88		%	0.10	NA	1	-	01/05/12 11:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-18
Client ID: SB-9 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/28/11 16:03
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85		%	0.10	NA	1	-	01/05/12 11:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-19
Client ID: SB-10 (11-12)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/29/11 11:31
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	01/05/12 11:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-20
Client ID: SB-11 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/29/11 11:35
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83		%	0.10	NA	1	-	01/05/12 11:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-21
Client ID: SB-11A (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/29/11 12:46
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83		%	0.10	NA	1	-	01/05/12 11:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-22
Client ID: SB-12 (11-12)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/29/11 11:40
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	01/05/12 11:05	30,2540G	JD

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1121840-23
Client ID: SB-13 (14-15)
Sample Location: 547 10TH AVE.
Matrix: Soil

Date Collected: 12/29/11 11:47
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	01/05/12 11:05	30,2540G	JD

Lab Duplicate Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-15 QC Batch ID: WG511818-1 QC Sample: L1121840-15 Client ID: SB-8 (4-5)						
Solids, Total	86.	87	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 16-23 QC Batch ID: WG512020-1 QC Sample: L1121837-03 Client ID: DUP Sample						
Solids, Total	86.	87	%	1		20

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information	Custody Seal
Cooler	
A	Absent
D	Absent
B	Absent
C	Absent
E	Absent
F	Absent
G	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1121840-01A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-01B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1121840-01C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-02A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-02B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1121840-02C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-03A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-03B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1121840-03C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-04A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-04B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1121840-04C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-05A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-05B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1121840-05C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-06A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-06B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1121840-06C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-07A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-07B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1121840-07C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-08A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-08B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1121840-08C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-09A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-09B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1121840-09C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-10A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-10B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1121840-10C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-11A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-11B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

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Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1121840-11C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-12A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-12B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1121840-12C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-13A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-13B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1121840-13C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-14A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-14B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1121840-14C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-15A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-15B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1121840-15C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-16A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-16B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1121840-16C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-17A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-17B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1121840-17C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-18A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-18B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1121840-18C	Amber 250ml unpreserved	A	N/A	5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-19A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-19B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1121840-20A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-20B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),TS(7)
L1121840-21A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-21B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),TS(7)
L1121840-22A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-22B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),TS(7)
L1121840-23A	Vial Large unpreserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-23B	Amber 250ml unpreserved	A	N/A	5	Y	Absent	NYTCL-8270(14),TS(7)
L1121840-24A	Vial HCl preserved	B	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-24B	Vial HCl preserved	B	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-24C	Vial HCl preserved	B	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-24D	Amber 1000ml unpreserved	B	7	5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-24E	Amber 1000ml unpreserved	B	7	5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-24F	Amber 1000ml unpreserved	B	7	5	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-24G	Amber 1000ml unpreserved	B	7	5	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-24H	Amber 1000ml unpreserved	B	7	5	Y	Absent	NYTCL-8081(7)
L1121840-24I	Plastic 500ml HNO3 preserved	B	<2	5	Y	Absent	TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-24J	Plastic 500ml unpreserved	B	7	5	Y	Absent	-
L1121840-24X	Plastic 500ml HNO3 preserved spl	B	<2	5	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1121840-25A	Vial HCl preserved	B	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-25B	Vial HCl preserved	B	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-25C	Vial HCl preserved	B	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-25D	Amber 1000ml unpreserved	B	7	5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1121840-25E	Amber 1000ml unpreserved	B	7	5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-25F	Amber 1000ml unpreserved	B	7	5	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-25G	Amber 1000ml unpreserved	B	7	5	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-25H	Amber 1000ml unpreserved	B	7	5	Y	Absent	NYTCL-8081(7)
L1121840-25I	Plastic 500ml HNO3 preserved	B	<2	5	Y	Absent	TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-25J	Plastic 500ml unpreserved	B	7	5	Y	Absent	-
L1121840-25X	Plastic 500ml HNO3 preserved spl	B	<2	5	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1121840-26A	Vial HCl preserved	E	N/A	2	Y	Absent	NYTCL-8260(14)
L1121840-26B	Vial HCl preserved	E	N/A	2	Y	Absent	NYTCL-8260(14)
L1121840-26C	Vial HCl preserved	E	N/A	2	Y	Absent	NYTCL-8260(14)
L1121840-26D	Amber 1000ml unpreserved	E	7	2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-26E	Amber 1000ml unpreserved	E	7	2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-26F	Amber 1000ml unpreserved	E	7	2	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-26G	Amber 1000ml unpreserved	E	7	2	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-26H	Amber 1000ml unpreserved	E	7	2	Y	Absent	NYTCL-8081(7)
L1121840-26I	Plastic 500ml HNO3 preserved	E	<2	2	Y	Absent	TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-26J	Plastic 500ml unpreserved	E	7	2	Y	Absent	-

*Values in parentheses indicate holding time in days

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1121840-26X	Plastic 500ml HNO3 preserved spl	E	<2	2	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1121840-27A	Vial HCl preserved	C	N/A	3	Y	Absent	NYTCL-8260(14)
L1121840-27B	Vial HCl preserved	C	N/A	3	Y	Absent	NYTCL-8260(14)
L1121840-27C	Vial HCl preserved	C	N/A	3	Y	Absent	NYTCL-8260(14)
L1121840-27D	Amber 1000ml unpreserved	C	7	3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-27E	Amber 1000ml unpreserved	C	7	3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-27F	Amber 1000ml unpreserved	C	7	3	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-27G	Amber 1000ml unpreserved	C	7	3	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-27H	Amber 1000ml unpreserved	C	7	3	Y	Absent	NYTCL-8081(7)
L1121840-27I	Plastic 500ml HNO3 preserved	C	<2	3	Y	Absent	TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-27J	Plastic 500ml unpreserved	C	7	3	Y	Absent	-
L1121840-27X	Plastic 500ml HNO3 preserved spl	C	<2	3	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1121840-28A	Vial HCl preserved	C	N/A	3	Y	Absent	NYTCL-8260(14)
L1121840-28B	Vial HCl preserved	C	N/A	3	Y	Absent	NYTCL-8260(14)
L1121840-28C	Vial HCl preserved	C	N/A	3	Y	Absent	NYTCL-8260(14)
L1121840-28D	Amber 1000ml unpreserved	C	7	3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-28E	Amber 1000ml unpreserved	C	7	3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1121840-28F	Amber 1000ml unpreserved	C	7	3	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-28G	Amber 1000ml unpreserved	C	7	3	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-28H	Amber 1000ml unpreserved	C	7	3	Y	Absent	NYTCL-8081(7)
L1121840-28I	Plastic 500ml HNO3 preserved	C	<2	3	Y	Absent	TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-28J	Plastic 500ml unpreserved	C	7	3	Y	Absent	-
L1121840-28X	Plastic 500ml HNO3 preserved spl	C	<2	3	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1121840-29A	Vial HCl preserved	E	N/A	2	Y	Absent	NYTCL-8260(14)
L1121840-29B	Vial HCl preserved	E	N/A	2	Y	Absent	NYTCL-8260(14)
L1121840-29C	Vial HCl preserved	E	N/A	2	Y	Absent	NYTCL-8260(14)
L1121840-29D	Amber 1000ml unpreserved	E	7	2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-29E	Amber 1000ml unpreserved	E	7	2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-29F	Amber 1000ml unpreserved	E	7	2	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-29G	Amber 1000ml unpreserved	E	7	2	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-29H	Amber 1000ml unpreserved	E	7	2	Y	Absent	NYTCL-8081(7)
L1121840-29I	Plastic 500ml HNO3 preserved	E	<2	2	Y	Absent	TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-29J	Plastic 500ml unpreserved	E	7	2	Y	Absent	-

*Values in parentheses indicate holding time in days

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1121840-29X	Plastic 500ml HNO3 preserved spl	E	<2	2	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1121840-30A	Vial HCl preserved	A	N/A	5	Y	Absent	NYTCL-8260(14)
L1121840-31A	Vial HCl preserved	F	N/A	2	Y	Absent	NYTCL-8260(14)
L1121840-31B	Vial HCl preserved	F	N/A	2	Y	Absent	NYTCL-8260(14)
L1121840-31C	Vial HCl preserved	F	N/A	2	Y	Absent	-
L1121840-32A	Vial HCl preserved	F	N/A	2	Y	Absent	NYTCL-8260(14)
L1121840-32B	Vial HCl preserved	F	N/A	2	Y	Absent	NYTCL-8260(14)
L1121840-32C	Vial HCl preserved	F	N/A	2	Y	Absent	NYTCL-8260(14)
L1121840-32D	Amber 1000ml unpreserved	F	7	2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-32E	Amber 1000ml unpreserved	F	7	2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-32F	Amber 1000ml unpreserved	F	7	2	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-32G	Amber 1000ml unpreserved	F	7	2	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-32H	Amber 1000ml unpreserved	F	7	2	Y	Absent	NYTCL-8081(7)
L1121840-32I	Plastic 500ml HNO3 preserved	F	<2	2	Y	Absent	TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-32J	Plastic 500ml unpreserved	F	7	2	Y	Absent	-
L1121840-32X	Plastic 500ml HNO3 preserved spl	F	<2	2	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1121840-33A	Vial HCl preserved	G	N/A	3	Y	Absent	NYTCL-8260(14)
L1121840-33B	Vial HCl preserved	G	N/A	3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1121840-33C	Vial HCl preserved	G	N/A	3	Y	Absent	NYTCL-8260(14)
L1121840-33D	Amber 1000ml unpreserved	G	7	3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-33E	Amber 1000ml unpreserved	G	7	3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-33F	Amber 1000ml unpreserved	G	7	3	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-33G	Amber 1000ml unpreserved	G	7	3	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-33H	Amber 1000ml unpreserved	G	7	3	Y	Absent	NYTCL-8081(7)
L1121840-33I	Plastic 500ml HNO3 preserved	G	<2	3	Y	Absent	TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-33J	Plastic 500ml unpreserved	G	7	3	Y	Absent	-
L1121840-33X	Plastic 500ml HNO3 preserved spl	G	<2	3	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1121840-34A	Vial HCl preserved	G	N/A	3	Y	Absent	NYTCL-8260(14)
L1121840-34B	Vial HCl preserved	G	N/A	3	Y	Absent	NYTCL-8260(14)
L1121840-34C	Vial HCl preserved	G	N/A	3	Y	Absent	NYTCL-8260(14)
L1121840-34D	Amber 1000ml unpreserved	G	7	3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-34E	Amber 1000ml unpreserved	G	7	3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-34F	Amber 1000ml unpreserved	G	7	3	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-34G	Amber 1000ml unpreserved	G	7	3	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-34H	Amber 1000ml unpreserved	G	7	3	Y	Absent	NYTCL-8081(7)

*Values in parentheses indicate holding time in days

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1121840-34I	Plastic 500ml HNO3 preserved	G	<2	3	Y	Absent	TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-34J	Plastic 500ml unpreserved	G	7	3	Y	Absent	-
L1121840-34X	Plastic 500ml HNO3 preserved spl	G	<2	3	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)
L1121840-35A	Vial HCl preserved	D	N/A	4	Y	Absent	NYTCL-8260(14)
L1121840-35B	Vial HCl preserved	D	N/A	4	Y	Absent	NYTCL-8260(14)
L1121840-35C	Vial HCl preserved	D	N/A	4	Y	Absent	NYTCL-8260(14)
L1121840-35D	Amber 1000ml unpreserved	D	7	4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-35E	Amber 1000ml unpreserved	D	7	4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1121840-35F	Amber 1000ml unpreserved	D	7	4	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-35G	Amber 1000ml unpreserved	D	7	4	Y	Absent	NYTCL-8082-1200ML(7)
L1121840-35H	Amber 1000ml unpreserved	D	7	4	Y	Absent	NYTCL-8081(7)
L1121840-35I	Plastic 500ml HNO3 preserved	D	<2	4	Y	Absent	TL-6020T(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),BE-6020T(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),SB-6020T(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1121840-35J	Plastic 500ml unpreserved	D	7	4	Y	Absent	-

*Values in parentheses indicate holding time in days

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1121840
Report Date: 01/09/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1121840-35X	Plastic 500ml HNO3 preserved spl	D	<2	4	Y	Absent	PB-SI(180),FE-SI(180),BA-SI(180),BE-6020S(180),AG-SI(180),AS-SI(180),CU-SI(180),MN-SI(180),NA-SI(180),NI-SI(180),AL-SI(180),CD-SI(180),CO-SI(180),TL-6020S(180),CR-SI(180),K-SI(180),MG-SI(180),SB-6020S(180),CA-SI(180),HG-S(28),SE-SI(180),V-SI(180),ZN-SI(180)

*Values in parentheses indicate holding time in days

Project Name:	EXTELL	**Lab Number:**	L1121840
Project Number:	11454-0002	**Report Date:**	01/09/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with "J" Qualifiers

Project Name:	EXTELL	**Lab Number:**	L1121840
Project Number:	11454-0002	**Report Date:**	01/09/12

Data Qualifiers

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1121840
Report Date: 01/09/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised January 3, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 802A, 8151A, 8260B, 8270C, 8270D, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 3005A,3015,1312,6010B,6010C,SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X. Organic Parameters: EPA 8260B)

Solid & Hazardous Waste (Inorganic Parameters: EPA 3050B, 1311, 1312, 6010B, 6010C, 9030B, 9010B, 9012A, 9014. Organic Parameters: EPA 5035, 5030B, 8260B.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

Serial_No:01091216:56

CHAIN OF CUSTODY

PAGE 1 OF 4

Date Rec'd in Lab: 12/30/11

ALPHA Job #: L1121840

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: AKRF, Inc.

Address: 440 Park Ave S, 7th Fl New York, NY 10016

Phone: 646-388-9767

Fax:

Email: dkopsco@akrf.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Extell

Project Location: 547 10th Ave

Project #: 11454-0002

Project Manager: Marielle Lugo

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 1/9/12 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 11454

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	PCBs	Pesticides	TAL metals	TOTAL # BOTTLES	Sample Specific Comments
21840-1	SB-1 (3-4)	12-28-11	950	S	DK	X	X	X	X	X		
-2	SB-1 (13-14)		955	S		X	X	X	X	X		
-3	SB-2 (0-1)		1046	S		X	X	X	X	X		
-4	SB-2 (13-14)		1052	S		X	X	X	X	X		
-5	SB-3 (1-2)		1120	S		X	X	X	X	X		
-6	SB-3 (13-14)		1125	S		X	X	X	X	X		
-7	SB-4 (2-3)		1214	S		X	X	X	X	X		
-8	SB-4 (14-15)		1220	S		X	X	X	X	X		
-9	SB-5 (2-3)		1243	S		X	X	X	X	X		
-10	SB-5 (14-15)	12-28-11	1250	S		X	X	X	X	X		

SAMPLE HANDLING

Filtration

☐ Done ☐ Not needed ☒ Lab to do

Preservation

☐ Lab to do (Please specify below)

Container Type	V	G	G	G	G	
Preservative	A	A	A	A	A	

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12/30/11 3:15	[signature]	12/30/11 1500
[signature]	12/30/11 1820	[signature]	12/30/11 1820
[signature]	12/30/11	[signature]	12/30/11 2145

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

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 2 OF 4

Date Rec'd in Lab: 12/30/11

ALPHA Job #: L1121840

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client:

Address: As Previous

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name:

Project Location:

Project #: As Previous

Project Manager:

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 1/9/12 Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	PCBs	Pesticides	TAL Metals	Sample Specific Comments
21840.11	SB-6 (1-2)	12-28-11	1345	S	DK	X	X	X	X	X	
12	SB-6 (13-14)	"	1350	S		X	X	X	X	X	
13	SB-7 (3-4)		1440	S		X	X	X	X	X	
14	SB-7 (14-15)		1451	S		X	X	X	X	X	
15	SB-8 (4-5)		1526	S		X	X	X	X	X	
16	SB-8 (14-15)		1532	S		X	X	X	X	X	
17	SB-9 (3-4)		1555	S		X	X	X	X	X	
18	SB-9 (14-15)	12-28-11	1603	S		X	X	X	X	X	
19	SB-10 (11-12)	12-29-11	1131	S		⊗	⊗				⊗ - CP-51 List
20	SB-11 (14-15)	12-29-11	1135	S	DK	⊗	⊗				
	Container Type					V	G	G	G	G	
	Preservative						A	A	A	A	

ANALYSIS

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Relinquished By:	Date/Time	Received By:	Date/Time
Lou Lugo	12/30/11	Lou Lugo	12/30/11 1522
	12/30/11 1803		12/30/11 1826
	12/30/11		12/30/11 2145

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

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 3 OF 4

Date Rec'd in Lab: 12/30/11

ALPHA Job #: L1121840

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client:

Address:

Phone: As previous

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name:

Project Location:

Project #: As previous

Project Manager:

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 1/9/12 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	PCBs	Pest. Les	TAL Metals											Sample Specific Comments	TOTAL # BOTTLES
21840.21	SB-11A(14-15)	12-29-11	1246	S	DK	X	X														(2) CP-51 List	
22	SB-12(11-12)	12-29-11	1140	S	DK	X	X														"	
23	SB-13(14-15)	12-29-11	1147	S	DK	X	X														"	
24	TW-1	12-28-11	1025	GW	DK	X	X	X	X	X											Filtered + Dissolved	
25	TW-2	12-28-11	1107	GW	DK	X	X	X	X	X											"	
26	TW-4	12-28-11	1455	GW	DK	X	X	X	X	X											"	
27	TW-7	12-29-11	939	GW	DK	X	X	X	X	X											"	
28	TW-8	12-29-11	1139	GW	DK	X	X	X	X	X											"	
29	TW-9	12-29-11	858	GW	DK	X	X	X	X	X											"	
30	TB-5		—	B		X																
	Container Type																					
	Preservative																					

Relinquished By:	Date/Time	Received By:	Date/Time
	12/30/11		
	12/30/11 1800		12/30/11 1800
	12/30/11		12/30/11 2145

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

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 4 OF 4

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12/30/11

ALPHA Job #: L1121840

Client Information

Client:

Address:

As Previous

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name:

Project Location:

Project #: As Previous

Project Manager:

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 1/9/12 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS VOCs	SAMPLE HANDLING	TOTAL # BOTTLES
21840-31	TB-W			B	DL	X		

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

Container Type	V
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
	12/30/11		12/30/11 1522
	12/30/11 1900		12/30/11 1806
	12/30/11		12/30/11 2145

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

FORM NO: 01-01 (rev. 14-OCT-07)

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 12/30/11

ALPHA Job #: L1121840

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: AKRF, Inc.
Address: 440 Park Ave S, 7th Fl
New York, NY 10016
Phone: 646-388-9767
Fax:
Email: dkopsa@AKRF.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Extell
Project Location: 547 10th Ave
Project #: 11454-002
Project Manager: Michelle Lapin
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 1/9/12 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 11454-002

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
NYSDEC	

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☒ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOCs	SVOCs	PCBs	Pesticides	TAL Metals*	Sample Specific Comments	TOTAL # BOTTLES
21840-32	MW-1	12-30-11	1215	GW	DK	X	X	X	X	X	*Total + Dissolved	
33	MW-2	12-30-11	1314	GW	DK	X	X	X	X	X		
34	MW-3	12-30-11	1356	GW	DK	X	X	X	X	X		
35	MW-4	12-30-11	1440	GW	DK	X	X	X	X	X	*Total + Dissolved	

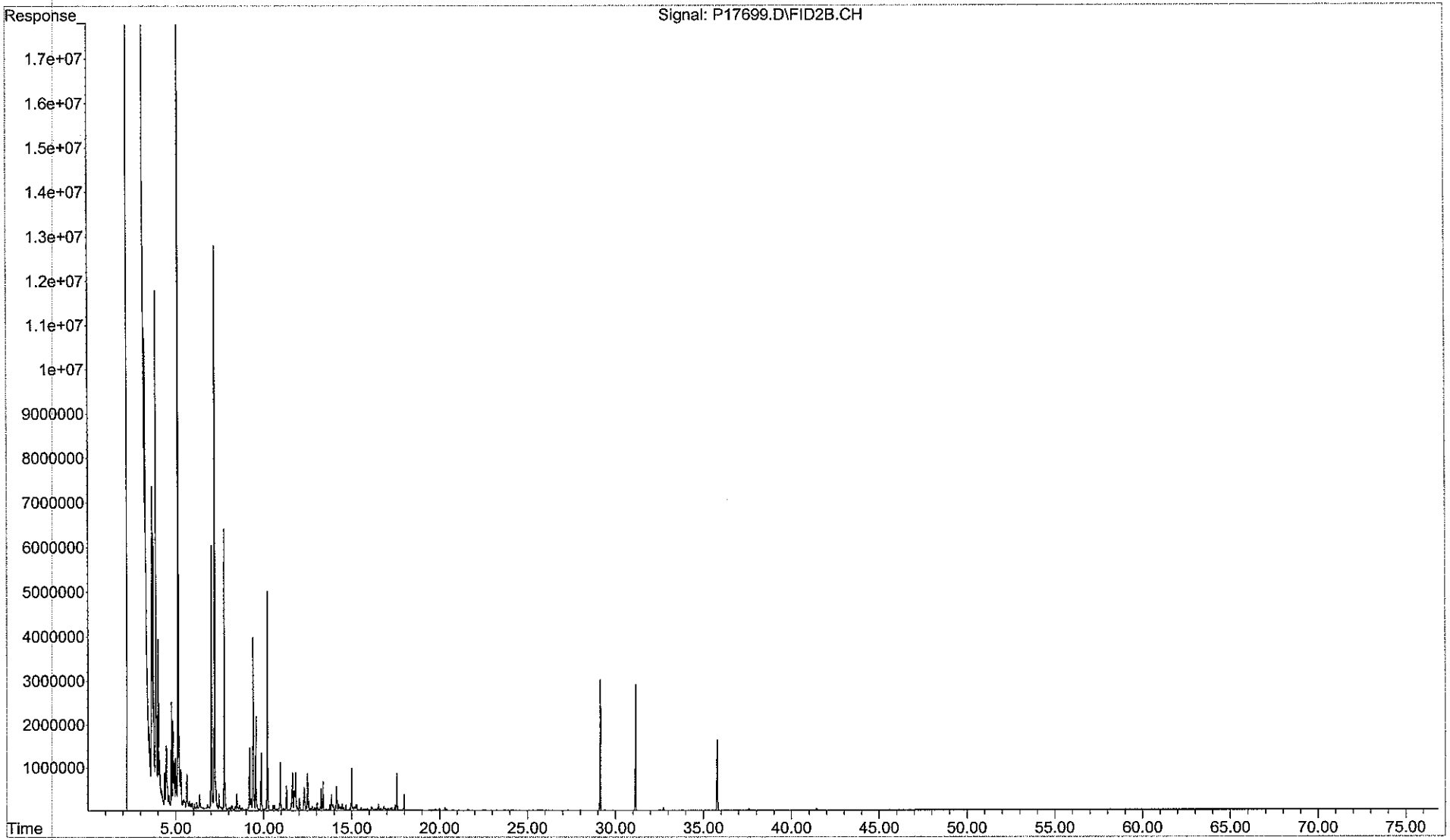
Container Type	V	A	A	A	P
Preservative	B	A	A	A	C

Relinquished By:	Date/Time	Received By:	Date/Time
	12/30/11		12/30/11 2145

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

FORM NO: 01-01 (rev. 14-OCT-07)

File :O:\Forensics\Data\PAH1\January06\JAN23.SEC\P17699.D
Operator : AC
Acquired : 23 Jan 2006 6:58 pm using AcqMethod FRNC1D.M
Instrument : PAH-1
Sample Name: R1012301-AFID
Misc Info : RFA Gasoline ID: WHAC33
Vial Number: 55



ANALYTICAL REPORT

Lab Number:	L1200012
Client:	AKRF, Inc. 440 Park Ave. South 7th Floor New York, NY 10016
ATTN:	Michelle Lapin
Phone:	(646) 388-9767
Project Name:	EXTELL
Project Number:	11454-0002
Report Date:	01/09/12

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

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

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1200012
Report Date: 01/09/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1200012-01	SG-1	547 10TH AVE	12/30/11 11:22
L1200012-02	SG-2	547 10TH AVE	12/30/11 11:50
L1200012-03	SG-3	547 10TH AVE	12/30/11 11:36
L1200012-04	SG-4	547 10TH AVE	12/30/11 11:41
L1200012-05	SG-5	547 10TH AVE	12/30/11 11:45

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1200012
Report Date: 01/09/12

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

For additional information, please contact Client Services at 800-624-9220.

Volatile Organics in Air

Canisters were released from the laboratory on Decenber 27, 2011.

The canister certification results are provided as an addendum.

L1200012-01, -03, -04 and WG512341-05 were diluted and re-analyzed in order to quantitate the samples within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

L1200012-02, -04, and -05 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

Project Name:	EXTELL	**Lab Number:**	L1200012
Project Number:	11454-0002	**Report Date:**	01/09/12

Case Narrative (continued)

L1200012-02 + 04 results for 2-Hexanone should be considered estimated due to co-elution with a non-target peak.

The WG512341-3 LCS recovery for 1,4-Dioxane (134%) is above the upper 130% acceptance limit. None of the samples associated with this LCS have reportable concentrations of this analyte.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 01/09/12

AIR

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-01
Client ID: SG-1
Sample Location: 547 10TH AVE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/06/12 23:30
Analyst: RY

Date Collected: 12/30/11 11:22
Date Received: 12/30/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	3.19	0.500	--	5.49	0.860	--		1
Dichlorodifluoromethane	0.594	0.200	--	2.94	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	2.90	2.50	--	5.46	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	158	1.00	--	375	2.38	--	E	1
Trichlorofluoromethane	0.276	0.200	--	1.55	1.12	--		1
Isopropanol	0.953	0.500	--	2.34	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.224	0.200	--	0.698	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	6.15	0.200	--	18.1	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-01
Client ID: SG-1
Sample Location: 547 10TH AVE
Date Collected: 12/30/11 11:22
Date Received: 12/30/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.515	0.200	--	2.51	0.977	--		1
Tetrahydrofuran	0.313	0.200	--	0.923	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.14	0.200	--	4.02	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	1.16	0.200	--	3.70	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.306	0.200	--	1.05	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.223	0.200	--	1.04	0.934	--		1
Heptane	1.48	0.200	--	6.06	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.779	0.200	--	3.19	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	11.8	0.200	--	44.5	0.754	--		1
2-Hexanone	1.28	0.200	--	5.24	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	16.6	0.200	--	112	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	2.25	0.200	--	9.77	0.869	--		1
p/m-Xylene	7.89	0.400	--	34.3	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-01
Client ID: SG-1
Sample Location: 547 10TH AVE
Date Collected: 12/30/11 11:22
Date Received: 12/30/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Styrene	0.236	0.200	--	1.00	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	2.49	0.200	--	10.8	0.869	--		1
4-Ethyltoluene	0.580	0.200	--	2.85	0.983	--		1
1,3,5-Trimethybenzene	0.587	0.200	--	2.88	0.983	--		1
1,2,4-Trimethylbenzene	1.59	0.200	--	7.82	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	107		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-01 D
Client ID: SG-1
Sample Location: 547 10TH AVE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/07/12 09:12
Analyst: RY

Date Collected: 12/30/11 11:22
Date Received: 12/30/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Acetone	105	2.50	--	249	5.94	--		2.5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	110		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	99		60-140

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-02 D
Client ID: SG-2
Sample Location: 547 10TH AVE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/07/12 00:43
Analyst: RY

Date Collected: 12/30/11 11:50
Date Received: 12/30/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	6.16	1.00	--	10.6	1.72	--		2
Dichlorodifluoromethane	0.606	0.400	--	3.00	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
Freon-114	0.872	0.400	--	6.10	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	ND	5.00	--	ND	9.42	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	181	2.00	--	430	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	ND	1.00	--	ND	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.58	--		2
Methylene chloride	ND	2.00	--	ND	6.95	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	1.88	0.400	--	5.85	1.24	--		2
Freon-113	ND	0.400	--	ND	3.06	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.58	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
Vinyl acetate	ND	0.400	--	ND	1.41	--		2
2-Butanone	3.86	0.400	--	11.4	1.18	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.58	--		2

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-02 D
Client ID: SG-2
Sample Location: 547 10TH AVE

Date Collected: 12/30/11 11:50
Date Received: 12/30/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2
Chloroform	3.24	0.400	--	15.8	1.95	--		2
Tetrahydrofuran	0.446	0.400	--	1.32	1.18	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	128	0.400	--	451	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	1.61	0.400	--	5.14	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	1.13	0.400	--	3.89	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	1.15	0.400	--	6.18	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	21.8	0.400	--	89.3	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	0.400	--	ND	1.64	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	12.9	0.400	--	48.6	1.51	--		2
2-Hexanone	1.02	0.400	--	4.18	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	23.7	0.400	--	161	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	2.49	0.400	--	10.8	1.74	--		2
p/m-Xylene	8.88	0.800	--	38.6	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-02 D
Client ID: SG-2
Sample Location: 547 10TH AVE
Date Collected: 12/30/11 11:50
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	2.77	0.400	--	12.0	1.74	--		2
4-Ethyltoluene	0.684	0.400	--	3.36	1.97	--		2
1,3,5-Trimethybenzene	0.656	0.400	--	3.22	1.97	--		2
1,2,4-Trimethylbenzene	1.89	0.400	--	9.29	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	96		60-140

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-03
Client ID: SG-3
Sample Location: 547 10TH AVE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/07/12 01:20
Analyst: RY

Date Collected: 12/30/11 11:36
Date Received: 12/30/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	2.33	0.500	--	4.01	0.860	--		1
Dichlorodifluoromethane	0.656	0.200	--	3.24	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	11.2	2.50	--	21.1	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	196	1.00	--	466	2.38	--	E	1
Trichlorofluoromethane	0.497	0.200	--	2.79	1.12	--		1
Isopropanol	1.37	0.500	--	3.37	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	0.651	0.200	--	2.35	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	5.67	0.200	--	16.7	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-03
Client ID: SG-3
Sample Location: 547 10TH AVE

Date Collected: 12/30/11 11:36
Date Received: 12/30/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.12	0.200	--	5.47	0.977	--		1
Tetrahydrofuran	0.982	0.200	--	2.90	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.646	0.200	--	2.28	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.705	0.200	--	2.25	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.611	0.200	--	2.85	0.934	--		1
Heptane	0.810	0.200	--	3.32	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.589	0.200	--	2.41	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	7.42	0.200	--	28.0	0.754	--		1
2-Hexanone	0.630	0.200	--	2.58	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	10.5	0.200	--	71.2	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.70	0.200	--	7.38	0.869	--		1
p/m-Xylene	6.49	0.400	--	28.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-03
Client ID: SG-3
Sample Location: 547 10TH AVE
Date Collected: 12/30/11 11:36
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	2.06	0.200	--	8.95	0.869	--		1
4-Ethyltoluene	0.571	0.200	--	2.81	0.983	--		1
1,3,5-Trimethybenzene	0.597	0.200	--	2.93	0.983	--		1
1,2,4-Trimethylbenzene	1.72	0.200	--	8.46	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	112		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	99		60-140

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-03 D
Client ID: SG-3
Sample Location: 547 10TH AVE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/07/12 10:22
Analyst: RY

Date Collected: 12/30/11 11:36
Date Received: 12/30/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Acetone	190	5.00	--	451	11.9	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	100		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	96		60-140

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-04 D
Client ID: SG-4
Sample Location: 547 10TH AVE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/07/12 01:55
Analyst: RY

Date Collected: 12/30/11 11:41
Date Received: 12/30/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	18.5	1.00	--	31.8	1.72	--		2
Dichlorodifluoromethane	0.572	0.400	--	2.83	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	4.24	0.400	--	9.38	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	65.5	5.00	--	123	9.42	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	317	2.00	--	753	4.75	--	E	2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	4.80	1.00	--	11.8	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.58	--		2
Methylene chloride	ND	2.00	--	ND	6.95	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	116	0.400	--	361	1.24	--		2
Freon-113	ND	0.400	--	ND	3.06	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.58	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	0.572	0.400	--	2.06	1.44	--		2
Vinyl acetate	ND	0.400	--	ND	1.41	--		2
2-Butanone	23.8	0.400	--	70.2	1.18	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.58	--		2

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-04 D
Client ID: SG-4
Sample Location: 547 10TH AVE

Date Collected: 12/30/11 11:41
Date Received: 12/30/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2
Chloroform	2.16	0.400	--	10.5	1.95	--		2
Tetrahydrofuran	0.630	0.400	--	1.86	1.18	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	7.55	0.400	--	26.6	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	7.35	0.400	--	23.5	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	7.31	0.400	--	25.2	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	21.4	0.400	--	100	1.87	--		2
Heptane	8.64	0.400	--	35.4	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	0.400	--	ND	1.64	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	17.6	0.400	--	66.3	1.51	--		2
2-Hexanone	1.35	0.400	--	5.53	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	15.3	0.400	--	104	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	2.19	0.400	--	9.51	1.74	--		2
p/m-Xylene	6.28	0.800	--	27.3	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-04 D
Client ID: SG-4
Sample Location: 547 10TH AVE
Date Collected: 12/30/11 11:41
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	2.27	0.400	--	9.86	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.97	--		2
1,3,5-Trimethybenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	0.652	0.400	--	3.20	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	117		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	110		60-140

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-04 D2
Client ID: SG-4
Sample Location: 547 10TH AVE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/07/12 10:58
Analyst: RY

Date Collected: 12/30/11 11:41
Date Received: 12/30/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Acetone	368	5.00	--	874	11.9	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	114		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	106		60-140

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-05 D
Client ID: SG-5
Sample Location: 547 10TH AVE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/07/12 02:31
Analyst: RY

Date Collected: 12/30/11 11:45
Date Received: 12/30/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	32.1	5.00	--	55.2	8.60	--		10
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	ND	25.0	--	ND	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	174	10.0	--	413	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	ND	5.00	--	ND	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Methylene chloride	ND	10.0	--	ND	34.7	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	4.32	2.00	--	13.4	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
Vinyl acetate	ND	2.00	--	ND	7.04	--		10
2-Butanone	2.84	2.00	--	8.38	5.90	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-05 D
Client ID: SG-5
Sample Location: 547 10TH AVE
Date Collected: 12/30/11 11:45
Date Received: 12/30/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	ND	2.00	--	ND	5.90	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	21.6	2.00	--	76.1	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	2.12	2.00	--	6.77	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	5.79	2.00	--	19.9	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	623	2.00	--	2910	9.34	--		10
Heptane	ND	2.00	--	ND	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	2.00	--	ND	8.20	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	10.1	2.00	--	38.1	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	16.4	2.00	--	111	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10
p/m-Xylene	5.60	4.00	--	24.3	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

SAMPLE RESULTS

Lab ID: L1200012-05 D
Client ID: SG-5
Sample Location: 547 10TH AVE
Date Collected: 12/30/11 11:45
Date Received: 12/30/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethybenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	119		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	100		60-140

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/06/12 15:37

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-05 Batch: WG512341-4								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/06/12 15:37

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-05 Batch: WG512341-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: EXTELL
Project Number: 11454-0002
Lab Number: L1200012
Report Date: 01/09/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 01/06/12 15:37

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-05 Batch: WG512341-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1200012

Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 Batch: WG512341-3								
Chlorodifluoromethane	98		-		70-130	-		
Propylene	105		-		70-130	-		
Propane	94		-		70-130	-		
Dichlorodifluoromethane	116		-		70-130	-		
Chloromethane	104		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	117		-		70-130	-		
Methanol	73		-		70-130	-		
Vinyl chloride	111		-		70-130	-		
1,3-Butadiene	124		-		70-130	-		
Butane	78		-		70-130	-		
Bromomethane	114		-		70-130	-		
Chloroethane	108		-		70-130	-		
Ethyl Alcohol	110		-		70-130	-		
Dichlorofluoromethane	101		-		70-130	-		
Vinyl bromide	122		-		70-130	-		
Acrolein	115		-		70-130	-		
Acetone	108		-		70-130	-		
Acetonitrile	97		-		70-130	-		
Trichlorofluoromethane	124		-		70-130	-		
iso-Propyl Alcohol	76		-		70-130	-		
Acrylonitrile	93		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1200012

Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 Batch: WG512341-3								
Pentane	104		-		70-130	-		
Ethyl ether	94		-		70-130	-		
1,1-Dichloroethene	118		-		70-130	-		
tert-Butyl Alcohol	120		-		70-130	-		
Methylene chloride	111		-		70-130	-		
3-Chloropropene	90		-		70-130	-		
Carbon disulfide	76		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	120		-		70-130	-		
trans-1,2-Dichloroethene	92		-		70-130	-		
1,1-Dichloroethane	110		-		70-130	-		
Methyl tert butyl ether	118		-		70-130	-		
Vinyl acetate	113		-		70-130	-		
2-Butanone	111		-		70-130	-		
cis-1,2-Dichloroethene	113		-		70-130	-		
Ethyl Acetate	120		-		70-130	-		
Chloroform	113		-		70-130	-		
Tetrahydrofuran	108		-		70-130	-		
2,2-Dichloropropane	99		-		70-130	-		
1,2-Dichloroethane	109		-		70-130	-		
n-Hexane	104		-		70-130	-		
Isopropyl Ether	114		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1200012

Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 Batch: WG512341-3								
Ethyl-Tert-Butyl-Ether	107		-		70-130	-		
1,1,1-Trichloroethane	119		-		70-130	-		
1,1-Dichloropropene	112		-		70-130	-		
Benzene	105		-		70-130	-		
Carbon tetrachloride	121		-		70-130	-		
Cyclohexane	110		-		70-130	-		
Tertiary-Amyl Methyl Ether	121		-		70-130	-		
Dibromomethane	110		-		70-130	-		
1,2-Dichloropropane	107		-		70-130	-		
Bromodichloromethane	116		-		70-130	-		
1,4-Dioxane	**134**	Q	-		70-130	-		
Trichloroethene	121		-		70-130	-		
2,2,4-Trimethylpentane	112		-		70-130	-		
Heptane	104		-		70-130	-		
2,4,4-Trimethyl-1-Pentene	92		-		70-130	-		
cis-1,3-Dichloropropene	120		-		70-130	-		
4-Methyl-2-pentanone	129		-		70-130	-		
2,4,4-Trimethyl-2-Pentene	85		-		70-130	-		
trans-1,3-Dichloropropene	106		-		70-130	-		
1,1,2-Trichloroethane	118		-		70-130	-		
Toluene	100		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1200012

Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 Batch: WG512341-3								
1,3-Dichloropropane	101		-		70-130	-		
2-Hexanone	114		-		70-130	-		
Dibromochloromethane	111		-		70-130	-		
1,2-Dibromoethane	112		-		70-130	-		
Butyl Acetate	117		-		70-130	-		
Octane	97		-		70-130	-		
Tetrachloroethene	111		-		70-130	-		
1,1,1,2-Tetrachloroethane	100		-		70-130	-		
Chlorobenzene	108		-		70-130	-		
Ethylbenzene	107		-		70-130	-		
p/m-Xylene	109		-		70-130	-		
Bromoform	109		-		70-130	-		
Styrene	112		-		70-130	-		
1,1,2,2-Tetrachloroethane	113		-		70-130	-		
o-Xylene	109		-		70-130	-		
1,2,3-Trichloropropane	105		-		70-130	-		
Nonane (C9)	93		-		70-130	-		
Isopropylbenzene	106		-		70-130	-		
Bromobenzene	104		-		70-130	-		
o-Chlorotoluene	102		-		70-130	-		
n-Propylbenzene	109		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL

Project Number: 11454-0002

Lab Number: L1200012

Report Date: 01/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 Batch: WG512341-3								
p-Chlorotoluene	105		-		70-130	-		
4-Ethyltoluene	121		-		70-130	-		
1,3,5-Trimethylbenzene	119		-		70-130	-		
tert-Butylbenzene	113		-		70-130	-		
1,2,4-Trimethylbenzene	125		-		70-130	-		
Decane (C10)	102		-		70-130	-		
Benzyl chloride	117		-		70-130	-		
1,3-Dichlorobenzene	119		-		70-130	-		
1,4-Dichlorobenzene	120		-		70-130	-		
sec-Butylbenzene	110		-		70-130	-		
p-Isopropyltoluene	107		-		70-130	-		
1,2-Dichlorobenzene	120		-		70-130	-		
n-Butylbenzene	114		-		70-130	-		
1,2-Dibromo-3-chloropropane	114		-		70-130	-		
Undecane	115		-		70-130	-		
Dodecane (C12)	120		-		70-130	-		
1,2,4-Trichlorobenzene	130		-		70-130	-		
Naphthalene	125		-		70-130	-		
1,2,3-Trichlorobenzene	130		-		70-130	-		
Hexachlorobutadiene	126		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1200012
Report Date: 01/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG512341-5 QC Sample: L1200012-01 Client ID: SG-1						
Propylene	3.19	3.18	ppbV	0		25
Dichlorodifluoromethane	0.594	0.598	ppbV	1		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	2.90	2.76	ppbV	5		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	158E	147E	ppbV	7		25
Trichlorofluoromethane	0.276	0.267	ppbV	3		25
Isopropanol	0.953	0.906	ppbV	5		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	0.224	0.222	ppbV	1		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1200012
Report Date: 01/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG512341-5 QC Sample: L1200012-01 Client ID: SG-1					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
Vinyl acetate	ND	ND	ppbV	NC	25
2-Butanone	6.15	5.98	ppbV	3	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	0.515	0.497	ppbV	4	25
Tetrahydrofuran	0.313	0.307	ppbV	2	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	1.14	1.12	ppbV	2	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	1.16	1.03	ppbV	12	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	0.306	0.261	ppbV	16	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	0.223	0.210	ppbV	6	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1200012
Report Date: 01/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG512341-5 QC Sample: L1200012-01 Client ID: SG-1					
Heptane	1.48	1.42	ppbV	4	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	0.779	0.772	ppbV	1	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	11.8	10.9	ppbV	8	25
2-Hexanone	1.28	1.21	ppbV	6	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	16.6	15.8	ppbV	5	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	2.25	2.06	ppbV	9	25
p/m-Xylene	7.89	7.37	ppbV	7	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	0.236	0.207	ppbV	13	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	2.49	2.25	ppbV	10	25
4-Ethyltoluene	0.580	0.558	ppbV	4	25
1,3,5-Trimethybenzene	0.587	0.561	ppbV	5	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1200012
Report Date: 01/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG512341-5 QC Sample: L1200012-01 Client ID: SG-1					
1,2,4-Trimethylbenzene	1.59	1.53	ppbV	4	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG512341-5 QC Sample: L1200012-01 Client ID: SG-1					
Acetone	105	132	ppbV	23	25

Project Name: EXTELL **Lab Number:** L1200012

Project Number: 11454-0002 **Report Date:** 01/09/12

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L1200012-01	SG-1	0199	#30 SV		-	-	40	42	5
L1200012-01	SG-1	1712	6.0L Can	L1118253	-29.5	-3.9	-	-	-
L1200012-02	SG-2	0185	#30 SV		-	-	40	41	2
L1200012-02	SG-2	1698	6.0L Can	L1118253	-29.7	-5.3	-	-	-
L1200012-03	SG-3	0435	#30 SV		-	-	40	42	5
L1200012-03	SG-3	628	6.0L Can	L1118253	-29.7	-4.1	-	-	-
L1200012-04	SG-4	0317	#30 SV		-	-	37	37	0
L1200012-04	SG-4	1667	6.0L Can	L1118253	-29.5	-4.1	-	-	-
L1200012-05	SG-5	0322	#30 SV		-	-	38	38	0
L1200012-05	SG-5	576	6.0L Can	L1118253	-29.5	-4.5	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1118253

Project Number: CANISTER QC BAT **Report Date:** 01/09/12

Air Canister Certification Results

Lab ID: L1118253-01
Client ID: CAN 1667 SHELF 38
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/04/11 17:46
Analyst: RY

Date Collected: 11/03/11 15:30
Date Received: 11/04/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1118253
Report Date: 01/09/12

Air Canister Certification Results

Lab ID: L1118253-01
Client ID: CAN 1667 SHELF 38
Sample Location:
Date Collected: 11/03/11 15:30
Date Received: 11/04/11
Field Prep: Not Specified

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1118253

Project Number: CANISTER QC BAT **Report Date:** 01/09/12

Air Canister Certification Results

Lab ID: L1118253-01 Date Collected: 11/03/11 15:30

Client ID: CAN 1667 SHELF 38 Date Received: 11/04/11

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1118253

Project Number: CANISTER QC BAT **Report Date:** 01/09/12

Air Canister Certification Results

Lab ID: L1118253-01 Date Collected: 11/03/11 15:30

Client ID: CAN 1667 SHELF 38 Date Received: 11/04/11

Sample Location: Field Prep: Not Specified

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

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	88		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	87		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1118253

Project Number: CANISTER QC BAT **Report Date:** 01/09/12

Air Canister Certification Results

Lab ID: L1118253-01
Client ID: CAN 1667 SHELF 38
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/04/11 17:46
Analyst: RY

Date Collected: 11/03/11 15:30
Date Received: 11/04/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1118253
Report Date: 01/09/12

Air Canister Certification Results

Lab ID: L1118253-01
Client ID: CAN 1667 SHELF 38
Sample Location:
Date Collected: 11/03/11 15:30
Date Received: 11/04/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.058	0.020	--	0.393	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1118253
Report Date: 01/09/12

Air Canister Certification Results

Lab ID: L1118253-01
Client ID: CAN 1667 SHELF 38
Sample Location:
Date Collected: 11/03/11 15:30
Date Received: 11/04/11
Field Prep: Not Specified

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

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	107		60-140
bromochloromethane	105		60-140
chlorobenzene-d5	98		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1118253

Project Number: CANISTER QC BAT **Report Date:** 01/09/12

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1118253-01	Date Collected:	11/03/11 15:30
Client ID:	CAN 1667 SHELF 38	Date Received:	11/04/11
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	11/10/11 15:20		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: EXTELL
Project Number: 11454-0002

Lab Number: L1200012
Report Date: 01/09/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1200012-01A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1200012-02A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1200012-03A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1200012-04A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)
L1200012-05A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	EXTELL	**Lab Number:**	L1200012
Project Number:	11454-0002	**Report Date:**	01/09/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name:	EXTELL	**Lab Number:**	L1200012
Project Number:	11454-0002	**Report Date:**	01/09/12

Data Qualifiers

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

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

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

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised January 3, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 245.7, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8260B, 8270C, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, SM2320B, SM2540D, 2540G, EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020, 9050A. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 7474, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited***

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A,7471B, 7474. Organic Parameters: EPA3050B, 3540C, 3630C, 8270C, 8081B, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters:EPA 3020A,6020A,245.7,9040B,SM4500H-B. Organic Parameters: EPA 3510C,3640A,3660B,3665A,8270C,8270D,8082A,8081B.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

Serial_No:01091214:45

L1200012

Alpha Analytical
320 Forbes Blvd
Mansfield, MA 02048-1806
Tel: 508-822-9300
Fax: 508-822-3288

AIR Chain-of-Custody - NJ

Date Rec'd in Lab	ALPHA Job#

Client Contact Information

Company: AKRF, Inc
Address: 440 Park Ave S, 7th Fl.
City/State/Zip: New York, NY
Phone: 646-388-9767
FAX:
Email: dKapson@akrf.com
mlapin@akrf.com

Project Information

Project Name: Extell
Site/Location: 547 10th Ave
Project Manager: Michelle Lapin
Site Contact: Dustin KAPSON
Phone: 917-575-4337

Analysis Turn-Around Time

Standard (Specify) X
Rush (Specify)

Carrier:
Samplers Name(s) Dustin KAPSON

1 of 1 COCs

Report Information - Data Deliverables:

☐ FAX:
☒ ADEx ☐ Criteria Checker:
☒ EMail (standard pdf report)

Billing Information

☒ Same as Client Info PO #: 11454 - 0002

ALPHA LAB ID (Lab Use Only)	Sample Identification	Sample Date(s)	Time Start (24 hr clock)	Time Stop (24 hr clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Outgoing Canister Pressure ("Hg) (Lab)	Incoming Canister Pressure ("Hg) (Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout (ml/min)	Can Cert ID	Analysis: TO-15	Analysis: EPA 3C	Matrix: Indoor /Ambient Air	Matrix: Soil Gas
-1	SG-1	12-30-11	922	1122	-29.8	-4.72					0199	1712	6			X			X
-2	SG-2	12-30-11	950	1150	-21.07	0.0					0185	1698	6			X			X
-3	SG-3	12-30-11	936	1136	-29.9	-5.18					0435	628	6			X			X
-4	SG-4	12-30-11	941	1141	-29.92	-5.16					0317	1667	6			X			X
-5	SG-5	12-30-11	945	1145	-29.8	-5.42					0322	576	6			X			X

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	40°F			
Stop	45°F			

GC/MS Analyst Signature (TO-15)

Pressure (inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

Special Instructions/QC Requirements & Comments:

- Flow Controller # 0185 Reads "OFL" + "-7.18" During Pre Sampling. Please contact AKRF upon reciept of canister and confirm sample volume before analyzing.

Canisters Shipped by:	Date/Time:	Canisters Received by:	Date/Time:
Samples Relinquished by: MAK	Date/Time: 12/30/11/3:15	Received by: Lou Lugo	Date/Time: 12/30/11 1522
Relinquished by: Lou Lugo	Date/Time: 12/30/11 1800	Received by: J Woelk	Date/Time: 12/30/11 1800
J Woelk	12/30/11 2345		12/30/11 2345
	12/31/11 00:30	Ret Cdn 1/3/12 7am Ra Ret Cdn 1/3/12 900 M	

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