PRE-DESIGN FIELD CHARACTERIZATION
NORTHTOWN PLAZA
BCP SITE NO. C915292
3097 SHERIDAN DRIVE
AMHERST, NEW YORK

PREPARED FOR:
Northtown Associates, LLC.
33 Boylston Street, Suite 3000
Chestnut Hill, Massachusetts

PREPARED BY:
GZA GeoEnvironmental of New York
Buffalo, New York

May 28, 2015
31.0056687.30

Copyright© 2015 GZA GeoEnvironmental of New York

TABLE OF CONTENTS

List of Tables

List of Figures

Appendices

1.0 Background

In support of Northtown Associates LLC's purchase and redevelopment of the Northtown Plaza, located at 3045 Sheridan Drive, Amherst, NY, GZA GeoEnvironmental of New York (GZA) completed this Pre-Design Environmental Investigation. Northtown Associates LLC., is a prospective entrant with the New York State Department of Environmental Conservation (NYSDEC) into the State's Brownfield Cleanup Program (BCP). NYSDEC has designated the site as site No. C915292. In support of Northtown Associates LLCs application, and in consultation with NYSDEC and New York State Department of Health (NYSDOH), the Pre-Design Environmental Investigation was completed at one of the three Areas of Interest, AOI 3, of the BCP Site. AOI 3 includes a dry cleaning business at which active dry cleaning operations were conducted until the mid-1990s (when active operations ceased, to be replaced by a pickup/drop dry cleaning shop). Soil, soil vapor, and indoor air at AOI 3 contain chlorinated volatile organic compounds (CVOCs), in particular Tetrachloroethene (PCE) which is a known constituent of dry cleaning solvent. The objectives of the pre design environmental investigation were as follows:

- Further delineation of the vertical and lateral extent of CVOCs at concentrations above commercial soil cleanup objectives (CSCOs);

- Characterization of the shallow overburden relative to the presence and quality of water, including:
    - Presence or absence of shallow groundwater;
    - Depth to shallow groundwater saturation;
    - Direction of flow of shallow goundwater, if present;
    - Concentration of CVOCs in the shallow groundwater, if present.

- Further assessment of potential soil vapor intrusion throughout AOI 3.

The above data will be used to support the Interim Remedial Measures (IRM) Work Plan which is being submitted under separate cover by Northtown Associates LLC.

2.0 Summary of Work

GZA completed the pre-design field activities in two phases beginning on March 9 and ending on April 27, 2015. Field tasks completed include:

- Advancement of 25 additional soil probes using direct push drilling methods; 18 located exterior of the building and 7 located within the vacant tenant space #13. Details of the borings are summarized in Table 1;
- Installation of six additional 1-inch diameter, shallow water monitoring wells;
- Collection and analysis of:

  - 32 subsurface soil samples;
  - 7 Sub-slab soil vapor samples;
  - 7 indoor air samples, co-located with corresponding sub-slab soil gas samples;
  - 2 soil gas samples from beneath pavement;
  - 5 pore water samples from the five wells that produced limited quantities of water; and
  - Requisite quality assurance/quality control (QA/QC) samples

- Survey of exterior sample locations and measurement of interior sample locations.

One of the six monitoring wells was developed but did not recharge prior to the sampling event.

2.1 Soil Boring and Sampling

A summary of soil borings is provided in Table 1 and soil boring logs, summarizing the general subsurface conditions that were observed at the investigation locations, are included in Appendix A. Soil borings were advanced using two primary direct-push methodologies, which include macro-core barrel sampling and dual tube soil sampling systems. Field efforts determined that using the dual-tube sampling methods was not effective in collecting soil cores in a timely manner, due to the relative density/hardness of the subsurface materials. In consultation with the drilling subcontractor and the NYSDEC, it was determined that the best method for quickly assessing the subsurface involved the use of the macro-core barrel sampling. Soil probes were completed by driving a 2.25-inch diameter by 48-inch long macro-core sampler continuously at 48-inch intervals to retrieve the soil samples. Dedicated and disposable acetate sampler liners were used inside of the macro-core sampler between sample intervals.

Following the removal of the soil core from the acetate liner, the soil cores were field screened with an Organic Vapor Meter (OVM) equipped with a photoionization detector (PID) with an 11.7 eV ultraviolet lamp. The OVM used was a MiniRae 3000 and was calibrated in accordance with manufacturer's recommendations. A gas standard of isobutylene at a concentration of 100 parts per million (ppm) was used for calibration. Ambient air at the Site was used to establish background organic vapor concentrations. OVM readings were recorded on the field boring log, at the completion of the boring; a soil sample was collected from the one foot interval with the highest recorded OVM reading for analysis. If no OVM readings were observed, then a random one foot soil sample was collected from a one foot interval between six and 14 feet. This depth range was selected based on results of previous investigations completed at this Site. A total of 30 field subsurface soil samples were collected and submitted to Paradigm Environmental Services of Rochester, New York for laboratory analysis.

2.2 Construction, Development, and Sampling of Monitoring Wells

After completion of a soil borings SP-52, 53, 54, 55, MW-8 and MW-9, a 1-inch, inner, diameter poly vinyl chloride (PVC) monitoring well with a "pre-packed" well screen with a slot size of 0.010 inches was installed in the borehole. Soil borings with planned monitoring wells were completed to 20 feet bgs. Planned well screen intervals were from 20 to 5 feet bgs, and PVC well riser from 5 feet to ground surface. Subsurface conditions resulted in a slight deviation from the planned installation depths. At MW-7, subsurface conditions required a shorter, 10-foot, screen length to be installed. After placement of the well screen at each well location, a 0.5 to 1-foot thick layer of 00N size sand pack was placed on top of the pre-packed well screens. Granular Bentonite was then placed on top of the sand pack, and brought up to one foot bgs. Concrete was then placed from 1 feet bgs to grade. Monitoring wells were finished with a flush mount road box set into the concrete flush to grade. Monitoring Well construction logs are provided in Appendix B.

Three days following the installation of the monitoring wells, the wells were gauged for the presence of water. Limited water volumes were observed in all six wells, which ranged in depth from five to 17 feet bgs, see Table 6 for depth to porewater measurements. Following the well gauging, what little water was in each well was removed using a peristaltic pump and dedicated tubing or dedicated bailers in an attempt to develop the wells. Sufficient development of the wells was not possible due to the small volume of porewater in each well and very slow porewater recharge rates. Monitoring well development forms are provided in Appendix C. All of the monitoring wells were reported as being bailed dry as a result of the development efforts, and allowed three days to recharge prior to sampling. Monitoring wells were then sampled using the dedicated bailers or the peristaltic pump and dedicated tubing (low flow sampling was not possible due to the low water quantity). Water samples were highly turbid due to the clay till overburden and small quantity of pore water present in the well. MW-5, located south of the site building, did not recharge over the three day period and therefore could not be sampled. A field duplicate sample was collected during each of the two phases of investigation. During the first phase, MW-6 was duplicated and during the second phase MW-9 was duplicated. All water samples were submitted to Paradigm Environmental Services of Rochester, New York for laboratory analysis of CVOCs.

2.3 Soil Vapor Intrusion Sampling

Four types of air samples were collected as part of the soil vapor investigation: soil gas (SG), indoor air (IA), sub-slab soil vapor (SS) and outdoor air (OA) samples. The samples were collected via low-flow sampling canisters at a rate of 200 ml/min, identified in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 (NYSDOH Guidance Document)[1].

[1] "Final – Guidance for Evaluating Soil Vapor Intrusion in the State of New York". New York State Department of Health, Center for Environmental Health, Bureau of Environmental Exposure Investigation – October 2006.

Two soil gas sampling points were installed using direct push technology. The first soil gas point, identified as Soil Gas East, is located directly east of Giro Dry Cleaners (Tenant Number 14), beneath the parking lot. A western point, identified as Soil Gas West, was installed west of Tenant Number 13 (vacant space).

A six-inch soil gas stainless steel sampling point was installed at 8 feet bgs at Soil Gas East and at 4 feet bgs at Soil Gas West, as requested by the NYSDOH and relative to depth of pore water found in the nearest well (MW-6). The stainless steel sampling points is connected to 3/8-inch polyethylene tubing. Porous, inert backfill material (i.e. glass beads) were placed around the stainless steel well screen, and a bentonite seal was placed in the annular spacing on top of the sampling zone to ground surface. The bentonite seal was slowly hydrated during construction to ensure proper seal formation and prevent possible saturation of the sampling zone. The soil gas sampling points were completed with the construction of a well road box.

Seven sub-slab sampling locations in tenant spaces 7, 8, 9, 10, 11 and 12, and in the Total Automotive building to the west were advanced by drilling a ½-inch diameter hole through the concrete floor slab using a hammer drill. The maximum depth of the sampling hole was two-inches below the base of the concrete floors. Average thickness of concrete slabs was 4-inches.

After construction, three volumes (i.e. volume of sample probe and tubing) were purged prior to sampling for the soil gas and sub-slab sampling locations. Each sample point was tested, using Helium as a tracer gas to confirm that a surface seal was present, and that no atmospheric air was influencing the soil gas points. This was conducted by performing a Helium leak detection test. The helium test involved placing a shroud over the sampling point and filling the inside of the shroud with helium gas. A MGD-2002 Helium Leak Detector was connected to polyethylene sampling tubing allowing for draw of soil gas. The NYSDOH Guidance Document allows for up to 10% of the tracer gas to be detected within the sampling system and still be considered acceptable. No helium was detected.

Indoor air samples were collected at and coincident with each sub-slab vapor location. Indoor air samplers were placed at a minimum height of 4 feet above ground surface. A sampler was placed outdoors on a tri-pod at a height of 4 feet above the ground surface and upwind of the sampled building. The outdoor air sample for the sampling performed on March 10, 2015was located at the plaza entrance off of Eggert Road. The outdoor air sample for sampling conducted at the Total Automotive building on April 20, 2015 was located near the southwestern corner of that building. Field forms from the sub-slab sampling investigation are provided in Appendix C.

Prior to completing the air sampling investigations at each location, observations were made of the sampling area for products that were stored in the nearby vicinity that have the potential to create interference or bias in the air sampling results. For units sampled within the main building of AOI3, various sizes of unopened containers and dispensers for paint, turpentine, paint thinner, toner cartridges, penetrating lubricants, household cleaning supplies, bleach, wood polish, and carpet cleaner were noted in the tenant spaces that were sampled. Within

the sampled space of the Total Automotive building the following products were observed:

In the office where the air samples were collected:

- Exterior car wash detergent
- Brake life lubricant

In the service desk area west and adjacent to the office;

- car batteries

In the storage room north of and adjacent to the office:

- car batteries
- spray paint cans
- gallon cans of liquid, water-base, paint
- multiple sealed cases of motor oils, transmission fluids, and sealants, .

All soil gas, sub-slab vapor, indoor air, and outdoor air samples were collected using 1-liter soil gas canisters set with a negative vacuum for a sample draw time period of approximately eight hours. Twenty two samples in total (17 field and 5 QA/QC) were submitted to Centek Laboratories in Syracuse, New York for laboratory analysis.

2.4 Surveying

A Trimble GeoExplorer 6000XH Global Position System (GPS) was used to collect latitudinal and longitudinal coordinates of all exterior sample points for plotting. Data points were post-processed using the manufactures data collection and management software. Average horizontal accuracy of the GPS unit is 0.18125 feet.

2.5 Investigation –Derived Waste

All investigative derived waste was segregated and placed in labelled US DOT approved, 55-gallon drums and staged on the site for later off-site disposal at a NYSDEC approved and permitted facility.

3.0 Findings

3.1 Hydrogeologic Conditions

3.1.1 Overburden Geology

A total of 25 soil probes were completed at the Site. This is in addition to fifty-one soil borings previously completed across the entire Northtown plaza during the Phase II. A thin layer of fill, composed of reworked and compacted native soil material lies directly beneath the asphalt

pavement. Underlying the fill material is glacial till, which is laterally continuous and homogenous throughout the site. Soil boring logs from the previous investigation reconfirm the existing subsurface conditions of the Site. A typical sample of the glacial till is gray-brown to red-brown in color, and primarily consists of clay, with some fine sub-angular gravel, and little medium to coarse sub-angular sand. A few seams of a fine sand and silt and seams of clean fine gravel were observed in a few of the soil borings. Hardness of the glacial till could be described as very hard due to its compactness, difficulty in drilling, and amount of force required to penetrate a soil core with a thumb.

3.1.2 Shallow Groundwater Hydrogeology

Saturated groundwater conditions were not observed in any of the 25 soil borings. This is consistent with previous groundwater investigation at the Site, where groundwater was not observed until borings were well into deep gravel at approximately 55 feet below ground surface[2]. Soil borings contained moist soils at depth, grading from dry near the surface to moist between eight and 12 feet bgs. The glacial till underlying the Site has very low permeability and acts as a confining layer to the saturated gravels beneath. Based on the composition of the till layer and very slow to lack of water recharge to the wells completed in the till confining layer, water encountered in the shallow wells is not considered as groundwater from an aquifer but rather pore water from the tight clay till.

During our investigation perched groundwater was not observed, but it is plausible that perched groundwater may be present within the fill soils, particularly where the fill is loose and of higher permeability than the underlying till. Perched groundwater can be more prevalent following substantial or extended periods of precipitation and during seasonally wet periods.

3.2 Analytical Results

Soil and water samples were packed in an ice-filled cooler and sent to Paradigm Environmental Services Inc., (Paradigm) located in Rochester, New York. The air samples were sent to Centek Laboratory in Syracuse, New York. Typical chains of custody procedures were followed. Table 2 provides a summary of the analytical samples collected and the analyses completed. Laboratory analytical data packages are included in Appendix D.

3.2.1 Analytical Results of Subsurface Soil Samples

Thirty two samples were collected of subsurface soil and submitted for laboratory analysis via EPA Method 8260B for CVOCs only (See Table 3). CVOCs detected in one or more

[2] "Phase II Environmental Site Assessment Northtown Plaza, Sheridan Drive, Eggert Road, and Bailey Avenue, Amherst, New York." Prepared for Northtown Associates, LLC by GZA GeoEnvironmental of New York, July 2014.

sample include: PCE and the breakdown products TCE, and Cis – 1, 2 DCE. None of the detected concentrations of the compounds were above their Commercial Soil Cleanup Objectives (CSCO), with the exception of PCE in just two of the thirty two samples.

PCE was detected above the Industrial Soil Cleanup Objective (ISCO) at 458mg/kg in SP-56 from 14 to 15 feet bgs. SP-62 and its associated Field Duplicate (01) reported PCE concentrations above the CSCO at 275mg/kg and 168mg/kg respectively, at the depth of 16 to 17 feet bgs. These two locations with PCE exceedances are located behind the dry cleaner, see Figure 2. Data points adjacent to SP-56 and SP-62 were found to be below their CSCO, confirming that the areas of exceedance are both at significant depth and localized.

3.2.2 Analytical Results of Overburden Pore Water Samples

Based on the composition of the till layer and very slow to lack of water recharge to the wells completed in the till confining layer, water encountered in the shallow wells is not considered to be groundwater from an aquifer but rather pore water from the tight clay till. Since there are no standards or criteria for pore water, NYSDEC Class GA groundwater standards were used for discussion purposes only. CVOCs were detected above the NYSDEC Class GA criteria in two of the three pore water samples, (See Table 4). No CVOCs were detected in the sample collected from wells MW-4, MW-8, and MW-9. Well MW-5 was dry on the day of sample collection. PCE was detected at a concentration of 21,700µg/L in sample MW-6 and at 32,900µg/L in sample MW-7. TCE was reported at a concentration of 2,690µg/L in sample MW-6. TCE was not detected above method detection limits in sample MW-7. Cis -1,2-DCE was reported at a concentration of 2,960µg/L in sample MW-6 (Dup) and at 389µg/L in sample MW-7.

3.2.3 Analytical Results of Soil Vapor Intrusion Samples

Eight CVOCs were detected above method detection limits in one or more of the air samples collected, (See Table 5). Six of the eight CVOCs detected in both the indoor air and sub-slab samples are listed on one of the two soil vapor intrusion decision matrices included in the NYSDOH Guidance Document. These include;

- PCE
- TCE
- Carbon Tetrachloride
- Cis-1,2-DEC
- 1,1,1-TCA
- Vinyl Chloride

None of the indoor air concentrations measured from within the main building of AOI3 for these compounds exceeded their respective Air Guidance Values (AGV) for PCE (100 µg/m^3) and TCE (5 µg/m^3). Importantly, based on the relative concentrations detected in the sub-slab samples within the main building of AOI3 versus corresponding indoor air samples, it is very unlikely that the CVOCs noted in indoor air are a result of soil vapor. Given the low concentrations detected in indoor air, the CVOCs noted may be the result of cleaning compounds or other anthropogenic sources associated with property usage.

The soil vapor sample collected from the Total Automotive building, west of AOI3, contained concentrations of PCE and related breakdown compounds of PCE at elevated concentrations. Indoor air collected from within the Total Automotive building did not contain CVOCs at concentrations of concern. PCE was detected at concentrations of 5.4µg/m^3 and 8.5µg/m^3 at the soil vapor points Soil Gas- East and Soil Gas-West, respectively.

4.0 Conclusions

- Subsurface soils to depths up to 24 feet consist of glacial till composed of clay with varying size and amounts of gravel and sand. Visual and manual examination of the subsurface soils illustrates a relatively hard and compacted subsurface which inhibits subsurface water flow.

- Of the total of 54 soil samples collected and analyzed from AOI 3 between the Phase II and the recent investigation, only four were in exceedance of the CSCOs. Two of the 32 soil samples collected from this most recent investigation had exceedances of CSCOs. The CSCO for PCE was exceeded at SP-62 (16-17) and SP-56 (14-15).

- Examination of the subsurface soil samples collected at the Site demonstrates four isolated areas of PCE impacts at depth in AOI3 that are of limited extent. The four data points are SP-23, SP-47, SP-56, and SP-62. The impacted depth intervals in exceedance of the CSCOs are at a depths ranging from six feet at SP-47 to seventeen feet SP-62. Soil samples collected from probes surrounding the four data points contained PCE at concentrations below the CSCO, illustrating the limited extent of the higher concentrations of PCE. This is also established by the fact that out of a total of fifty two samples collected and analyzed between the Phase II and the recent investigation, only four were in exceedance of the CSCOs.

- Subsurface exploration data reconfirms the observations noted in the Phase II investigation that the glacial till unit beneath the Site is a low permeability confining layer, and the water bearing zone is at significant depth (between 45 and 55 feet as noted in the Phase II). Moist soils observed in the zero to 24 feet depth at the Site yielded no to little pore water . Water samples collected were accordingly of very high turbidity are not representative of actual groundwater but are more so pore water or residual water maintained by capillary tension exerted by the soil pores.

- Soil gas samples collected near the east and west boundaries of AOI3 had low detections of PCE. The State of New York does not have any standards, criteria or guidance values for concentrations of volatile chemicals in subsurface vapors (either soil vapor or sub-slab vapor) and these values are well below the indoor/outdoor AGV.

- Sub-slab vapor samples compared with corresponding indoor air samples for tenants No.7, 8, 9, 10, 11, and 12 confirm that low concentrations of CVOCs observed in indoor air are likely not the result of soil vapor. Concentrations detected in the indoor air samples are likely due to indoor and/or outdoor sources (such as cleaning and supply products, which were observed by GZA). Accordingly, it is recommended that no further investigation is necessary with respect to these spaces.

- Sub-slab vapor collected from beneath the Total Automotive building to the west of AOI3 contained elevated concentrations of PCE and its breakdown products.

TABLES

Table 1 - Soil Boring Summary
Pre-Design Field Characterization
Northtown Plaza BCP Site No. C915292
Amherst, New York

Boring ID	Date	Final Depth (ft)	Well ID	Sample Interval	PID (ppm)
SP-52	3/10/2015	20	MW-4	8 -9 ft	0
SP-53	3/10/2015	20	MW-5	7 -8 ft	0
SP-54	3/10/2015	21	MW-6	8 -9 ft & 15 - 16 ft	49.1 & 62.2
SP-55	3/11/2015	20	MW-7	10 - 11 ft	27.3
SP-56	3/11/2015	24	NA	14 - 15 ft	2000
SP-57	3/11/2015	24	NA	12 - 13 ft	100.5
SP-58	3/11/2015	24	NA	11 - 12 ft	112.7
SP-59	3/11/2015	24	NA	13 - 14 ft & 20 - 21 ft	28.1 & 62.5
SP-60	3/12/2015	6	NA	5 - 6 ft	6.6
SP-61	3/12/2015	20	NA	7 - 8 ft & 19 -20 ft	37.1 & 42.9
SP-62	3/12/2015	24	NA	16 - 17 ft	74.1
SP-63	3/12/2015	24	NA	8 - 9 ft	10.8
SP-64	3/12/2015	24	NA	8 - 9 ft & 20 - 21 ft	23.3 & 23.7
SP-65	3/12/2015	24	NA	16 - 17 ft	22.7
SP-66	3/12/2015	24	NA	12 - 13 ft	221
SP-67	3/12/2015	24	NA	15 - 16 ft	3.3
SP-68	3/13/2015	20	NA	7 - 8 ft & 16 - 17 ft	0
SP-69	3/13/2015	20	NA	12 -13 ft	0.8
SP-70	3/13/2015	20	NA	6 - 7 ft	0.4
SP-71	3/13/2015	20	NA	3 - 4 ft	0
SP-72	3/13/2015	20	NA	9 - 10 ft	5
SP-73	3/13/2015	20	NA	6 - 7 ft	0.1
SP-74	3/13/2015	11.5	NA	5 - 6 ft	0.3
MW-8	4/22/2015	20	NA	14 ft	0
MW-9	4/22/2015	20	NA	8 ft	0

Table 2 Summary of Samples Collected
Pre-Design Field Characterization
Northtown Plaza BCP Site No. C915292
Amherst, New York

Location	Date Collected	Depth/ Interval (ft bgs)	VOCs EPA Method 8260-TCL	VOCs EPA Method TO-15
SOIL SAMPLES				
SP-52	3/10/2015	8-9 ft	X	
SP-53	3/10/2015	7-8 ft	X	
SP-54	3/10/2015	8-9 ft	X	
SP-54	3/10/2015	15-16 ft	X	
SP-55	3/11/2015	10-11 ft	X	
SP-56	3/11/2015	14-15 ft	X	
SP-57	3/11/2015	12-13 ft	X	
SP-58	3/11/2015	11-12 ft	X	
SP-59	3/11/2015	13-14 ft	X	
SP-59	3/11/2015	20-21 ft	X	
SP-60	3/12/2015	5-6 ft	X	
SP-61	3/12/2015	7-8 ft	X	
SP-61	3/12/2015	19-20 ft	X	
SP-62	3/12/2015	16-17 ft	X	
FD-01	3/12/2015	16-17 ft	X	
SP-63	3/12/2015	8-9 ft	X	
SP-64	3/12/2015	8-9 ft	X	
SP-64	3/12/2015	21-22 ft	X	
SP-65	3/12/2015	16-17 ft	X	
SP-66	3/12/2015	12-13 ft	X	
SP-67	3/12/2015	15-16 ft	X	
SP-68	3/13/2015	7-8 ft	X	
SP-68	3/13/2015	16-17 ft	X	
SP-69	3/13/2015	12-13 ft	X	
SP-70	3/13/2015	6-7 ft	X	
SP-71	3/13/2015	3-4 ft	X	
SP-72	3/13/2015	9-10 ft	X	
FD-02	3/13/2015	9-10 ft	X	
SP-73	3/13/2015	6-7 ft	X	
SP-74	3/13/2015	5-6 ft	X	
MW-8	4/22/2015	14 ft	X	
MW-9	4/22/2015	8 ft	X	
GROUNDWATER SAMPLES				
MW-4	3/17/2015	NA	X	
MW-6	3/17/2015	NA	X	
Duplicate	3/17/2015	NA	X	
MW-7	3/17/2015	NA	X	
MW-8	4/27/2015	NA	X	
MW-9	4/27/2015	NA	X	
Duplicate	4/27/2015	NA	X	
VAPOR INTRUSION SAMPLES				
IA-1	3/10/2015	NA		X
SS-1	3/10/2015	NA		X
IA-2	3/10/2015	NA		X
SS-2	3/10/2015	NA		X
IA-3	3/10/2015	NA		X
SS-3	3/10/2015	NA		X
IA-4	3/10/2015	NA		X
SS-4	3/10/2015	NA		X
IA-5	3/10/2015	NA		X
DUPE-IA	3/10/2015	NA		X
SS-5	3/10/2015	NA		X
IA-6	3/10/2015	NA		X
MS/MSD	3/10/2015	NA		X
SS-6A	3/10/2015	NA		X
SS-6B	3/10/2015	NA		X
OA	3/10/2015	NA		X
Trip Blank	3/10/2015	NA		X
Soil Gas East	3/13/2015	NA		X
Soil Gas West	3/13/2015	NA		X
TA-SS-04202015	4/20/2015	NA		X
TA-IA-04202015	4/20/2015	NA		X
TA-OA-04202015	4/20/2015	NA		X

Notes:
1. Soil and water analytical testing completed by Paradigm Environmental Services, Inc., in Rochester, NY.
2. Air sample analytical testing completed by Centek Laboratory in Syracuse, New York.
3. Field Duplicate 01 (FD 01) is associated with sample SP-62 (16 - 17 ft).
4. Field Duplicate 02 (FD 02) is associated with sample SP-72 (9 - 10 ft).
5. Duplicate sample is associated with MW-6.
6. IA = Inddor Air.
7. SS = Sub-Slab Sample.
8. OA = Outdoor Air Sample.
9. MS/MSD = Matrix Spike/Matrix Spike Duplicate collected with IA-6.
10. DUPE-IA = Field Duplicate associated with IA-5.

Table 3 - Summary of Analytical Results - Subsurface Soils
Pre-Design Characterization Report
Northtown Plaza BCP Site No. C915292
Amherst, New York

Soil Boring ID Sample Date	NYSDEC Part 375 Soil Criteria (mg/kg))			SP-52 3/10/2015	SP-53 3/10/2015	SP-54 3/10/2015	SP-54 3/10/2015	SP-55 3/11/2015	SP-56 3/11/2015	SP-57 3/11/2015	SP-58 3/11/2015	SP-59 3/11/2015	SP-59 3/11/2015	SP-60 3/12/2015	SP-61 3/12/2015
Sample Depth	Unrestricted	Commercial	Industrial	8-9 ft	7-8 ft	8-9 ft	15-16 ft	10-11 ft	14-15 ft	12-13 ft	11-12 ft	13-14 ft	20-21 ft	5-6 ft	7-8 ft
Volatile Organic Compounds - EPA Method 8260 (mg/Kg)															
cis-1,2-Dichloroethene	0.25	500	1,000	2.71 J	<	<	<	<	<	<	<	<	<	29.6	<
Tetrachloroethene	1.3	150	300	0.029	0.056	**4.01**	**56.6**	**1.83**	**458**	**9.57**	**24.4**	**105**	**82.6**	0.026	0.837
Trichloroethene	0.47	200	400	<	<	<	<	<	<	<	<	<	<	<	<

Notes:

1. Compounds detected in one or more samples are presented on this table. Refer to Appendix D for list of all compounds included in analysis.
2. Soil analytical testing completed by Paradigm Environmental Services, Inc., in Rochester, NY.
3. ug/kg = part per billion.
4. NV = no value. NT = not tested.
5. **Bold** indicates value exceeds Unrestricted Use Soil Cleanup Objectives.
6. Yellow shading indicates value exceeds Commerical Use Soil Cleanup Objectives.
7. Red shading indicates value exceeds Industrial Use Soil Cleanup Objectives.
8. Soil cleanup objectives (SCOs) are from NYSDEC Part 375, Subpart 375-6: Unrestricted Use, Commercial Use and Industrial Soil Cleanup Objectives.
9. < indicates compound not detected above method detection limits.
10. Field Duplicate 01 (FD 01) is associated with sample SP-62 (16 - 17 ft).
11. Field Duplicate 02 (FD 02) is associated with sample SP-72 (9 - 10 ft).

Table 3 - Summary of Analytical Results - Subsurface Soils
Pre-Design Characterization Report
Northtown Plaza BCP Site No. C915292
Amherst, New York

Soil Boring ID Sample Date	NYSDEC Part 375 Soil Criteria (mg/kg))			SP-61 3/12/2015	SP-62 3/12/2015	FD-01 3/12/2015	SP-63 3/12/2015	SP-64 3/12/2015	SP-64 3/12/2015	SP-65 3/12/2015	SP-66 3/12/2015	SP-67 3/12/2015	SP-68 3/13/2015	SP-68 3/13/2015	SP-69 3/13/2015
Sample Depth	Unrestricted	Commercial	Industrial	19-20 ft	16-17 ft	16-17 ft	8-9 ft	8-9 ft	21-22 ft	16-17 ft	12-13 ft	15-16 ft	7-8 ft	16-17 ft	12-13 ft
Volatile Organic Compounds - EPA Method 8260 (mg/Kg)															
cis-1,2-Dichloroethene	0.25	500	1,000	<	<	<	32.4 J	<	<	<	<	<	<	<	<
Tetrachloroethene	1.3	150	300	**97.9**	**275**	**168**	0.861	**21.4**	**109**	**36.6**	**58.5**	**70.8**	0.012	0.03	0.003 J
Trichloroethene	0.47	200	400	<	<	<	113	<	<	<	<	<	<	<	<

Notes:

1. Compounds detected in one or more samples are presented on this table. Refer to Appendix D for list of all compounds included in analysis.
2. Soil analytical testing completed by Paradigm Environmental Services, Inc., in Rochester, NY.
3. ug/kg = part per billion.
4. NV = no value. NT = not tested.
5. **Bold** indicates value exceeds Unrestricted Use Soil Cleanup Objectives.
6. Yellow shading indicates value exceeds Commerical Use Soil Cleanup Objectives.
7. Red shading indicates value exceeds Industrial Use Soil Cleanup Objectives.
8. Soil cleanup objectives (SCOs) are from NYSDEC Part 375, Subpart 375-6: Unrestricted Use, Commercial Use and Industrial Soil Cleanup Objectives.
9. < indicates compound not detected above method detection limits.
10. Field Duplicate 01 (FD 01) is associated with sample SP-62 (16 - 17 ft).
11. Field Duplicate 02 (FD 02) is associated with sample SP-72 (9 - 10 ft).

Table 3 - Summary of Analytical Results - Subsurface Soils
Pre-Design Characterization Report
Northtown Plaza BCP Site No. C915292
Amherst, New York

Soil Boring ID Sample Date	NYSDEC Part 375 Soil Criteria (mg/kg))			SP-70 3/13/2015	SP-71 3/13/2015	SP-72 3/13/2015	FD-02 3/13/2015	SP-73 3/13/2015	SP-74 3/13/2015	MW-8 4/22/2015	MW-9 4/22/2015
Sample Depth	Unrestricted	Commercial	Industrial	6-7 ft	3-4 ft	9-10 ft	9-10 ft	6-7 ft	5-6 ft	14 ft	8 ft
Volatile Organic Compounds - EPA Method 8260 (mg/Kg)											
cis-1,2-Dichloroethene	0.25	500	1,000	<	<	<	<	<	<	<	<
Tetrachloroethene	1.3	150	300	0.055	0.021	0.122	0.378	0.013	0.01	<	<
Trichloroethene	0.47	200	400	<	<	<	<	<	<	<	<

Notes:

1. Compounds detected in one or more samples are presented on this table. Refer to Appendix D for list of all compounds included in analysis.
2. Soil analytical testing completed by Paradigm Environmental Services, Inc., in Rochester, NY.
3. ug/kg = part per billion.
4. NV = no value. NT = not tested.
5. **Bold** indicates value exceeds Unrestricted Use Soil Cleanup Objectives.
6. Yellow shading indicates value exceeds Commerical Use Soil Cleanup Objectives.
7. Red shading indicates value exceeds Industrial Use Soil Cleanup Objectives.
8. Soil cleanup objectives (SCOs) are from NYSDEC Part 375, Subpart 375-6: Unrestricted Use, Commercial Use and Industrial Soil Cleanup Objectives.
9. < indicates compound not detected above method detection limits.
10. Field Duplicate 01 (FD 01) is associated with sample SP-62 (16 - 17 ft).
11. Field Duplicate 02 (FD 02) is associated with sample SP-72 (9 - 10 ft).

Table 4 Summary of Analytical Results - Pore Water
Pre-Design Field Characterization
Northtown Plaza BCP Site No. C915292
Amherst, New York

Sample ID Sample Date	NYSDEC Class GA Criteria(µg/L))	MW-4 3/17/2015 µg/L	MW-6 3/17/2015 µg/L	Duplicate 3/17/2015 µg/L	MW-7 3/17/2015 µg/L	MW-8 4/27/2015 µg/L	MW-9 4/27/2015 µg/L	Duplicate 4/27/2015 µg/L
Volatile Organic Compounds - EPA Method 8260 TCL (µg/L)								
cis-1,2-Dichloroethene	5	<	2080	2960	389	<	<	<
Tetrachloroethene	5	<	21700	18500	31900	<	<	<
Trichloroethene	5	<	2690	2510	<	<	<	<

Notes:
1. Compounds detected in one or more samples are presented on this table. Refer to Appendix D for list of all compounds included in analysis.
2. Analytical testing completed by Paradigm Environmental, Inc., in Rochester, New York
3. New York State Department of Environmental Conservation Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1) dated October 1993, revised June 1998, January 1999 errata sheet and April 2000 addendum.
4. J = Analyte detected below quanititation limits.
5. µg/L = part per billion (ppb).
6. Yellow shading indicates values exceeding NYSDEC Class GA groundwater criteria.
7. < = compound was not detected above method detection limit.
8. Duplicate sample is associated with MW-6.

Table 5 Summaryof Analytical Results - Soil Vapor Intrusion Samples
Pre-Design Field Characterization
Northtown Plaza BCP Site No. C915292
Amherst, New York

Sample ID Sample Date	IA-1 3/10/2015 µg/m^3	SS-1 3/10/2015 µg/m^3	IA-2 3/10/2015 µg/m^3	SS-2 3/10/2015 µg/m^3	IA-3 3/10/2015 µg/m^3	SS-3 3/10/2015 µg/m^3	IA-4 3/10/2015 µg/m^3	SS-4 3/10/2015 µg/m^3	IA-5 3/10/2015 µg/m^3	DUPE-IA 3/10/2015 µg/m^3	SS-5 3/10/2015 µg/m^3	IA-6 3/10/2015 µg/m^3	MS/MSD 3/10/2015 µg/m^3	SS-6A 3/10/2015 µg/m^3	SS-6B 3/10/2015 µg/m^3	OA 3/10/2015 µg/m^3	Trip Blank 3/10/2015 µg/m^3	Soil Gas East 3/13/2015 µg/m^3	Soil Gas West 3/13/2015 µg/m^3	TA-SS-04202015 4/20/2015 µg/m^3	TA-IA-04202015 4/20/2015 µg/m^3	TA-OA-04202015 4/20/2015 µg/m^3
Volatile Organic Compounds - EPA Method TO-15 (µg/m^3)																						
1,1,1-Trichloroethane	<	<	<	0.71 J	<	3.2	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1,1,2-Trichloroethane	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	8.7	<	<
1,2-Dichloroethane	<	<	<	<	<	<	0.57 J	< 0.61	2.3	2.1	< 0.61	5.5	6.9	3.1	< 0.61	<	<	<	<	<	<	<
Carbon tetrachloride	<	<	0.63	< 0.94	0.69	< 0.94	0.57	< 0.94	0.63	0.63	< 0.94	0.63	0.44	< 0.94	< 0.94	0.69	<	<	<	0.75	0.69	0.94
cis-1,2-Dichloroethene	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	430	<	<
Tetrachloroethene	1.8	2	11	2.6	1.2	<	2.2	<	1.1	1.1	<	1.1	<	<	0.88 J	<	<	5.4	8.5	2500	<	<
Trichloroethene	0.43	0.97	<0.21	4.3	<0.21	1.2	0.54	1.5	<	<	0.86	0.32	< 0.21	0.59 J	0.64 J	<	<	<	<	2000	<	<
Vinyl Chloride	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	0.66	<	<

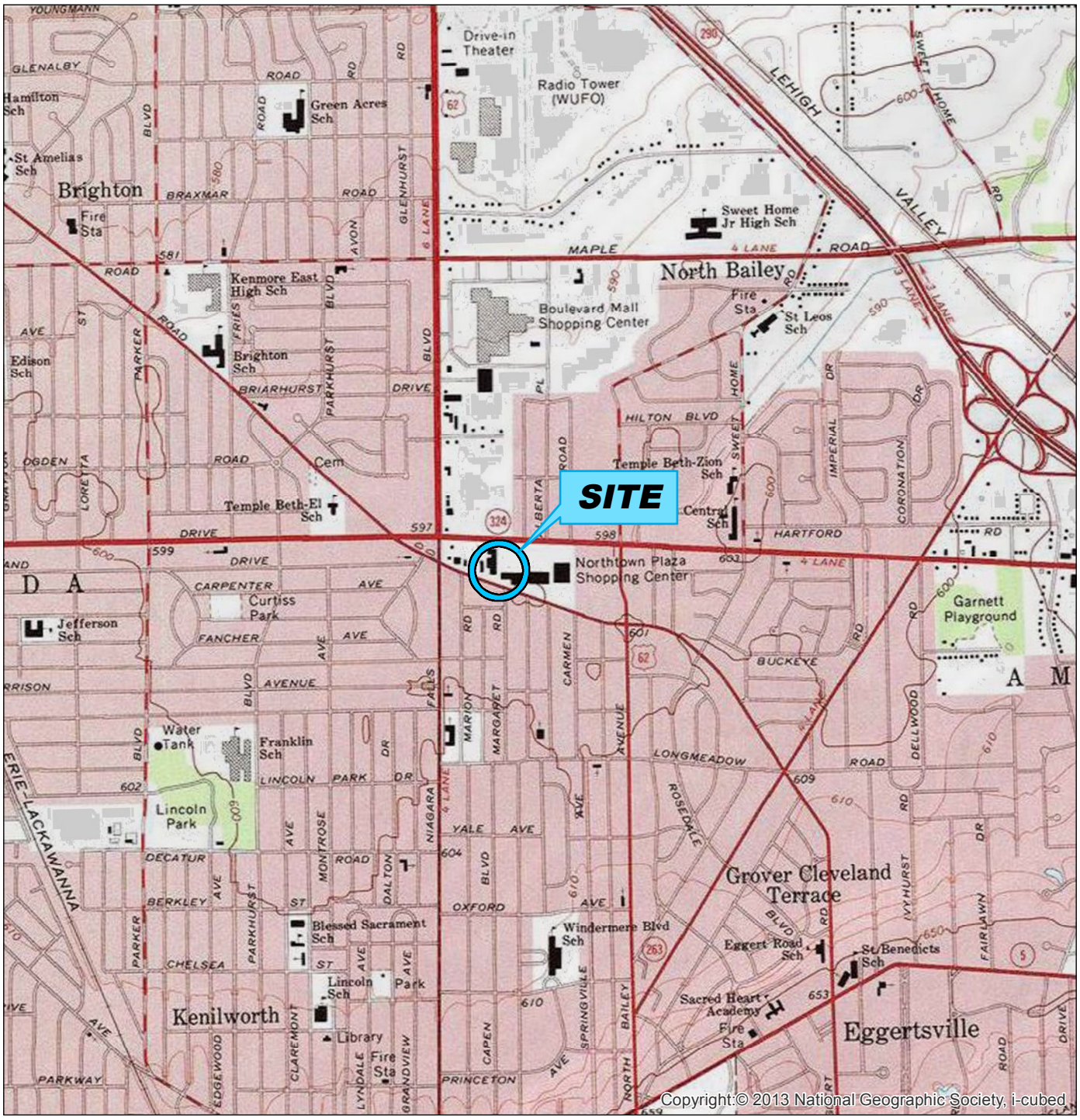
Notes:
1. Compounds detected in one or more samples are presented in this table. Refer to Appendix D for list of all compounds included in analysis.
2. Air sample analytical testing completed by Centek Laboratory in Syracuse, New York.
3. µg/m^3 = microgram per cubic meter.
4. Samples collected were for an approximate 8-hour sample duration.
5. J = estimated concentration detected less than the reporting limit.
6. < = compound was not detected above reporting limit provided.
7. IA = Inddor Air.
8. SS = Sub-Slab Sample.
9. OA = Outdoor Air Sample.
10. MS/MSD = Matrix Spike/Matrix Spike Duplicate collected with IA-6.
11. DUPE-IA = Field Duplicate associated with IA-5.

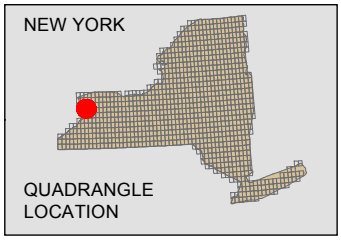
Table 6 - Depth to Pore Water
Pre-Design Field Characterization
Northtown Plaza BCP Site No. C915292
Amherst, New York

Well No.	SWL	Date	Elev.
MW-4*	*14.48*	*3/17/2015*	*82.95*
MW-5*	*DRY*	*3/17/2015*	--
MW-6*	*11.75*	*3/17/2015*	*84.82*
MW-7*	*9.98*	*3/17/2015*	*87.07*
MW-8**	*14.69*	*4/27/2015*	*79.36*
MW-9**	*5.82*	*4/27/2015*	*88.3*

Note
* - Static water level recorded on March 17, 2015. A disposable bailer was used to collect each groundwater sample.
** - Static water level was recorded on April 27, 2015. Peristaltic pump was used to purge and sample groundwater. Relative elevation survey for wells MW-8 and MW-9 performed on May 20, 2015.

FIGURES





SOURCE : THIS MAP CONTAINS THE ESRI ARCGIS ONLINE USA TOPOGRAPHIC MAP SERVICE, PUBLISHED DECEMBER 12, 2009 BY ESRI ARCIMS SERVICES AND UPDATED AS NEEDED. THIS SERVICE USES UNIFORM NATIONALLY RECOGNIZED DATUM AND CARTOGRAPHY STANDARDS AND A VARIETY OF AVAILABLE SOURCES FROM SEVERAL DATA PROVIDERS

Data Supplied by : esri

0 1,000 2,000 4,000
SCALE IN FEET

N W E S

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

NO.	ISSUE/DESCRIPTION	BY	DATE

3045 SHERIDAN DRIVE
AMHERST, NEW YORK 14226

PREPARED BY:
GZA GeoEnvironmental, Inc.
of Buffalo
Engineers and Scientists
535 WASHINGTON ST
BUFFALO, NEW YORK 14203

PREPARED FOR:
WS DEVELOPMENT ASSOCIATES, LLC

SITE LOCUS MAP

PROJ MGR: JJR	REVIEWED BY: TGB	CHECKED BY: BK	**FIGURE**
DESIGNED BY: TGB	DRAWN BY: PCF	SCALE: 1 " = 2,000 '	1
DATE: **March 2015**	PROJECT NO. **31.0056687.30**	REVISION NO.	

© 2015 - GZA GeoEnvironmental, Inc. T:\Clients\NorthernBCP\MXDs\Figure1LocusMap2.mxd, 3/30/2015, 2:08:13 PM, patrick.finnerty

7
8
9
10
11
12
13
14
AOI 3
SS-6 & IA-6
SS-5 & IA-5
SS-4 & IA-4
SS-3 & IA-3
SS-1 & IA-1
SS-2 & IA-2
SP-45
SP-36
SP-42
SP-43
SP-44
SP-12
SP-24
SP-64
SP-50
SP-65
SP-63
SP-62
SP-61
SP-60
SP-51
SP-23
SP-49
SP-57
SP-66
SP-58
SP-67
SP-59
SP-47
SP-48
SP-56
SP-11
SP-17
SP-16
SP-37
SP-25
SP-46
SP-73
SP-68
SP-69
SP-71
SP-70
SP-74
SP-72
MW-9
SG-WEST
TA-IA-042015 & TA-SS-042015
MW-7
MW-1
MW-6
MW-8
MW-4
SG-EAST
SP-26
MW-5
SP-5
bing
© 2015 Microsoft Corporation

Legend:

- Sub-slab Soil Vapor & Indoor Air Sample
- Soil Gas Sample
- Monitoring Well
- Soil Probes Completed - March 2015
- Soil Probes Completed - 2014
- Building Layout
- Approximate BCP Site Boundary - Includes AOI 3

Source: Erie County GIS Mapping Website
Notes: All features should be considered approximate

N W E S

0 15 30 60
SCALE IN FEET

Tenant Name

6. Federal Meat
7. Treats Unleashed
8. My Burger Bar
9. Riverside Men's Shop
10. Shoppers Choice
11. Cutting Edge Sports
12. Jackson-Hewitt
13. Vacant
14. Giro Cleaners

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR THE USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA, ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

NORTHTOWN PLAZA
3045 SHERIDAN DRIVE
AMHERST, NEW YORK 14226

PRE-DESIGN FIELD CHARACTERIZATION LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	WS DEVELOPMENT ASSOCIATES, LLC

PROJ MGR: JJR	REVIEWED BY: TGB	CHECKED BY: BK	FIGURE 2
DESIGNED BY: TGB	DRAWN BY: PCF	SCALE: 1 in = 30 ft	
DATE: MAY 2015	PROJECT NO. 31.0056687.30	REVISION NO. 5	

© 2015 - GZA GeoEnvironmental, Inc. T:\Clients\NorthernBCP\MXDs\PreDesign_WorkPlan\Figure1-GWCharacterization-ProposedMWwells.mxd, 5/26/2015, 10:10:37 AM, patrick.finnerty

APPENDIX A

SOIL BORING LOGS

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-52
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 20
Date Start - Finish: 3/10/2015 - 3/10/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 6620DT
Drilling Method: Direct Push

Sampler Type: Dual Tube
Sampler O.D. (in.): 1.25
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.3	48	40		S1: ASPHALT			ASPHALT	0.3
	S1	0.3-1.8			0.0	S1: FILL - Dark brown, SILT, little coarse Gravel, dry.			FILL	1.8
	S1	1.8-4			0.0	S1: Red brown, CLAY with Silt, some medium to coarse Sand, sub-angular, dry.				
					0.0					
	S2	4-8	48	48	0.0	S2: Red brown, CLAY with Silt, some fine to coarse Gravel, little medium to coarse Sand, sub-angular, dry.				
5					0.0					
					0.0					
					0.0					
	S3	8-12	48	48	0.0	S3: Red brown, CLAY, little fine Gravel, some medium to coarse Sand, sub-angular, dry, homogenous, penetration is hard with thumb.	1			
					0.0					
10					0.0					
					0.0				GLACIAL TILL	
	S4	12-14	24	24	0.0	S4: Red brown, CLAY, little fine Gravel, some medium to coarse Sand, sub-angular, dry to moist, homogenous, toughness softens as moisture increases.				
					0.0					
	S5	14-16	24	24	0.0	S5: Red brown, CLAY, little fine Gravel, some medium to coarse Sand, sub-angular, moist, homogenous.				
15					0.0					
	S6	16-18	24	24	0.0	S6: Red brown, CLAY, little fine Gravel, some medium to coarse Sand, sub-angular, moist, homogenous.				
					0.0					
	S7	18-20	24	24	0.0	S7: Red brown, CLAY, little fine Gravel, some medium to coarse Sand, sub-angular, moist, homogenous.				
					0.0					
20					0.0					20
						End of exploration at 20 feet.	2			
25										

REMARKS

1 - Soil sample collected from 8-9' at 10:30 on 03/10/2015. Submitted for EPA Method 8260B analysis.
2 - Soil boring converted to a 1-inch groundwater monitoring well. See MW-4 Well Construction Report.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-52

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:07 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-53
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 20
Date Start - Finish: 3/10/2015 - 3/10/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 6620DT
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.3	48	20		S1: ASPHALT			ASPHALT	0.3
	S1	0.3-0.8			0.0	S1: FILL - Gray, fine GRAVEL, some fine to coarse Sand, dry.				
	S1	0.8-4			0.0	S1: Brown/Black, CLAY, dry.			FILL	4
5	S2	4-8	48	48	0.0	S2: Red brown, CLAY, some medium to coarse Sand, little fine Gravel, sub-angular, dry.				
					0.0					
					0.0		1			
	S3	8-12	48	36	0.0	S3: Red brown, CLAY, some medium to coarse Sand, little fine Gravel, sub-angular, dry.				
10					0.0					
					0.0					
	S4	12-16	48	36	0.0	S4: Red brown, CLAY, some medium to coarse Sand, little fine Gravel, sub-angular, dry, homogenous.			GLACIAL TILL	
					0.0					
15					0.0					
	S5	16-20	48	42	0.0	S5: Red brown, CLAY, some medium to coarse Sand, little fine Gravel, sub-angular, dry, homogenous.				
					0.0					
					0.0					
20					0.0					20
						End of exploration at 20 feet.	2			
25										

REMARKS

1 - Soil sample collected from 7-8' at 13:15 on 03/10/2015. Submitted for EPA Method 8260B analysis.
2 - Soil boring converted to a 1-inch groundwater monitoring well. See MW-5 Well Construction Report.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-53

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:08 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-54
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 21
Date Start - Finish: 3/10/2015 - 3/10/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 6620DT
Drilling Method: Direct Push

Sampler Type: Dual Tube
Sampler O.D. (in.): 1.25
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.3	48	32		S1: ASPHALT			ASPHALT	0.3
	S1	0.3-1			0.0	S1: FILL - Gray/Black, fine GRAVEL, some Silt, little medium to coarse Sand, dry.			FILL	1
	S1	1-4			0.0	S1: Red brown, CLAY, some fine Gravel, little medium to fine Sand, sub-angular, dry.				
5	S2	4-8	48	48	2.1	S2: Red brown, CLAY, some fine Gravel, little medium to fine Sand, sub-angular, moist.				
					4.6					
					7.8					
	S3	8-10	24	24	11.3	S3: Red brown, CLAY, some fine Gravel, little medium to fine Sand, sub-angular, moist.	1			
					49.1					
10	S4	10-12	24	24	34.8	S4: Red brown, CLAY, some fine Gravel, little medium to fine Sand, sub-angular, moist.				
					41.9					
	S5	12-14	24	24	38.3	S5: Red brown, CLAY, some fine Gravel, little medium to fine Sand, sub-angular, moist.			GLACIAL TILL	
					28.0					
	S6	14-16	24	24	11.6	S6: Red brown, CLAY, some fine Gravel, little medium to fine Sand, sub-angular, moist.				
15					62.2		2			
	S7	16-20	48	48	10	S7: Red brown, CLAY, some fine Gravel, little medium to fine Sand, sub-angular, moist.				
					9.1					
					10					
					8.1					
20	S8	20-21	12	12	6.1	S8: Red brown, CLAY, some fine Gravel, little medium to fine Sand, sub-angular, moist.	3			
					0.3					21
						End of exploration at 21 feet.				
25										

REMARKS

1 - Soil sample collected from 8-9' at 15:35 on 03/10/2015. Submitted for EPA Method 8260B analysis.
2 - Soil sample collected from 15-16' at 15:30 on 03/10/2015. Submitted for EPA Method 8260B analysis.
3 - Soil boring converted to a 1-inch groundwater monitoring well. See MW-6 Well Construction Report.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-54

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:09 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-55
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 20
Date Start - Finish: 3/11/2015 - 3/11/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 54UD
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.3	48	42		S1: ASPHALT			ASPHALT	0.3
	S1	0.3-4			0.1	S1: FILL - Gray/Black/Brown, fine GRAVEL with Silt, some medium to coarse Sand, dry.				
					0.1				FILL	
					0.3					
					0.1					4
5	S2	4-8	48	36	1.5	S2: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, sub-angular, dry.				
					4.1					
					6.4					
	S3	8-12	48	40	5.7	S3: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, sub-angular, moist.				
					5.9					
10					5.9		1			
					27.3					
	S4	12-16	48	31	21.8	S4: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, sub-angular, moist.			GLACIAL TILL	
					9.2					
					6.5					
15					8.7					
	S5	16-20	48	24		S5: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, sub-angular, moist.				
					0.1					
					0.1					
20										20
						End of exploration at 20 feet.	2			
25										

REMARKS

1 - Soil sample collected from 10-11' at 10:05 on 03/11/2015. Submitted for EPA Method 8260B analysis.
2 - Soil boring converted to a 1-inch groundwater monitoring well. See MW-7 Well Construction Report.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-55

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:10 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-56
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 24
Date Start - Finish: 3/11/2015 - 3/11/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 54UD
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.3	48	48		S1: ASPHALT			ASPHALT	0.3
	S1	0.3-1			0.1	S1: FILL - Gray/Black, SILT with fine Gravel, some medium to coarse Sand, dry.			FILL	1
	S1	1-4			0.1	S1: Red brown, CLAY, little fine Gravel and medium to coarse Sand, sub-angular, petroluem-like odor (2-4'), dry.				
					5.8					
					29.9					
5	S2	4-8	48	44	36	S2: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, sub-angular, solvent -like odor, dry. Seam of fine to coarse Gravel, wet at 6.6 feet.				
					7					
					980					
	S3	8-12	48	26	169	S3: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, solvent-like odor, moist.				
					116					
10					365					
					38					
	S4	12-16	48	30		S4: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, solvent-like odor, moist.			GLACIAL TILL	
					77					
					647		1			
15					2000					
	S5	16-20	48	34		S5: Red brown, CLAY, some fine Gravel and medium to coarse Sand, solvent-like odor, moist.				
					31					
					77					
					3.1					
20	S6	20-24	48	35		S6: Red brown, CLAY, some fine Gravel and medium to coarse Sand, moist.				
					270					
					64					
					0.1					24
25						End of exploration at 24 feet.				

REMARKS

1 - Soil sample collected from 14-15' at 12:05 on 03/11/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-56

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:11 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-57
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 24
Date Start - Finish: 3/11/2015 - 3/11/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 54UD
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.3	48	46		S1: ASPHALT			ASPHALT	0.3
	S1	0.3-1.3			0.0	S1: FILL - Gray/Black, SILT with fine Gravel, moist.			FILL	1.3
	S1	1.3-4			0.0	S1: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, dry.				
					0.0					
	S2	4-8	48	46	0.0	S2: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, dry.				
5					0.5					
					0.7					
					1.4					
	S3	8-12	48	42	5.7	S3: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, solvent-like odor, moist.				
					8.8					
10					19.0					
					77.5					
	S4	12-16	48	42	12.3	S4: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.	1		GLACIAL TILL	
					100.5					
					33.2					
15					17.2					
	S5	16-20	48	42	26.9	S5: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.				
					9.0					
					41.3					
					11.3					
20	S6	20-24	48	42	6.5	S6: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.				
					12.2					
					11.3					
					3.2					
					1.8					24
25						End of exploration at 24 feet.				

REMARKS

1 - Soil sample collected from 12-13' at 14:00 on 03/11/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-57

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:12 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-58
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 24
Date Start - Finish: 3/11/2015 - 3/11/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 54UD
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.3	48	47		S1: ASPHALT			ASPHALT	0.3
	S1	0.3-1.3			0.0	S1: FILL - Gray/Black, SILT with fine Gravel, moist.			FILL	1.3
	S1	1.3-4			0.0	S1: Red brown, CLAY, little fine Gravel and medium to coarse Sand, moist.				
					0.0					
	S2	4-8	47	48	0.0	S2: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.				
5					0.0					
					0.5					
					4.2					
	S3	8-12	44	48	2.5	S3: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.				
					7.2					
10					23.1					
					112.7		1			
	S4	12-16	43	48	27.3	S4: Red brown, CLAY, little fine Gravel and medium to coarse Sand, solvent-like odor, moist.			GLACIAL TILL	
					142.8					
					54.8					
15					7.4					
	S5	16-20	48	24	3.1	S5: Red brown, CLAY, little fine Gravel and medium to coarse Sand, solvent-like odor, moist.				
					5.4					
					87.5					
20										
	S6	20-24	48	36		S6: Red brown, CLAY, little fine Gravel and medium to coarse Sand, moist.				
					7.3					
					41.7					
					1.2					
										24
25						End of exploration at 24 feet.				

REMARKS

1 - Soil sample collected from 11-12' at 15:10 on 03/11/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-58

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:12 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-59
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 24
Date Start - Finish: 3/11/2015 - 3/11/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 54UD
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.3	48	38		S1: ASPHALT			ASPHALT	0.3
	S1	0.3-1.9			0.7	S1: FILL - Gray/Black, SILT with fine Gravel, trace fragments of porcelein, moist.			FILL	1.9
	S1	1.9-4			0.2	S1: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.				
					0.2					
	S2	4-8	48	43		S2: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, wet from 4 - 6 feet and moist from 6 - 8 feet.				
5					0.0					
					0.0					
					0.0					
	S3	8-12	48	36	0.3	S3: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.				
					0.2					
10					1.5					
					3.5					
	S4	12-16	48	31		S4: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, no odor, moist. Seam of brown, fine GRAVEL with medium to coarse Sand, wet, from 12 - 12.5 feet.	1		GLACIAL TILL	
					7.7					
					28.1					
15					9.1					
	S5	16-20	48	30		S5: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.				
					2.4					
					5.5					
					9.9					
20										
	S6	20-24	48	18		S6: Brown, CLAY, little fine Gravel, little medium to coarse Sand, moist, soft penetration with thumb.	2			
					62.5					
					12.8					24
25						End of exploration at 24 feet.				

REMARKS

1 - Soil sample collected from 13-14' at 16:35 on 03/11/2015. Submitted for EPA Method 8260B analysis.
2 - Soil sample collected from 20-21' at 16:40 on 03/11/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-59

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:13 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-60
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 6
Date Start - Finish: 3/12/2015 - 3/12/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 6620DT
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.3	48	26		S1: ASPHALT			ASPHALT	0.3
	S1	0.3-4			0.1	S1: FILL - Gray/Black, fine GRAVEL with Silt, trace fine Sand, moist.				
					0.1				FILL	
5	S2	4-6	24	18	2.9	S2: Brown, SILT, solvent-like odor, moist.	1			
					6.6	End of exploration at 6 feet.				6
10										
15										
20										
25										

REMARKS

1 - Soil sample collected from 5-6' at 09:25 on 03/12/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-60

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:14 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-61
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 20
Date Start - Finish: 3/12/2015 - 3/12/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 6620DT
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.3	48	30		S1: ASPHALT			ASPHALT	0.3
	S1	0.3-4			0.1	S1: FILL - Brown/Black, CLAY, some medium to coarse Sand, moist.				
					0.1				FILL	
					0.1					4
5	S2	4-8	48	46		S2: Red brown, CLAY, little fine Gravel and medium to coarse sand, moist.				
					0.3					
					1.7					
					13.6		1			
	S3	8-10	24	24	37.1	S3: Red brown, CLAY, little fine Gravel and medium to coarse sand, moist.				
					2.0					
10	S4	10-12	24	24	3.0	S4: Red brown, CLAY, little fine Gravel and medium to coarse sand, moist.				
					9.0					
	S5	12-14	24	24	3.7	S5: Red brown, CLAY, little fine Gravel and medium to coarse sand, moist.			GLACIAL TILL	
					4.7					
	S6	14-16	24	24	6.2	S6: Red brown, CLAY, little fine Gravel and medium to coarse sand, moist.				
15					4.0					
	S7	16-18	24	24	3.0	S7: Red brown, CLAY, little fine Gravel and medium to coarse sand, moist.				
					4.1					
	S8	18-20	24	24	4.1	S8: Red brown, CLAY, little fine Gravel and medium to coarse sand, moist.				
					28.6					
20					42.9		2			20
						End of exploration at 20 feet.				
25										

REMARKS

1 - Soil sample collected from 7-8' at 10:10 on 03/12/2015. Submitted for EPA Method 8260B analysis.
2 - Soil sample collected from 19-20' at 10:20 on 03/12/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-61

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:14 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-62
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 24
Date Start - Finish: 3/12/2015 - 3/12/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 6620DT
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.3	48	36		S1: ASPHALT			ASPHALT	0.3
	S1	0.3-3			0.0	S1: FILL - Gray/Black, CLAY, little fine Gravel, little medium to coarse Sand, moist.			FILL	
					0.0					
					0.0					3
	S1	3-4				S1: Red brown, CLAY, little fine Gravel, little medium to coarse Sand, moist.				
	S2	4-8	48	48		S2: Red brown, CLAY, little fine Gravel and medium to coarse Sand, no odor, moist.				
5					9.6					
					1.5					
					0.8					
	S3	8-12	48	32	2.6	S3: Red brown, CLAY, little fine Gravel and medium to coarse Sand, no odor, moist.				
					26.6					
10					22.0					
					21.8					
	S4	12-16	48	32	69.8	S4: Red brown, CLAY, little fine Gravel and medium to coarse Sand, no odor, moist.				
					21.8					
					83.7				GLACIAL TILL	
15					110					
	S5	16-20	48	20		S5: Red brown, CLAY, little fine Gravel and medium to coarse Sand, solvent-like odor, moist.	1			
					60.9					
					74.1					
20	S6	20-24	48	5		S6: Red brown, CLAY, little fine Gravel and medium to coarse Sand, solvent-like odor, moist.				
					24.3					
										24
25						End of exploration at 24 feet.				

REMARKS

1 - Soil sample collected from 16-17' at 11:35 on 03/12/2015; Field Duplicate 01 is also associated with this sample. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-62

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:15 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-63
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 24
Date Start - Finish: 3/12/2015 - 3/12/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 6620DT
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.5	48	36		S1: ASPHALT			ASPHALT	0.5
	S1	0.5-2			0.0	S1: FILL - Red brown, CLAY, little fine Gravel and medium to coarse Sand, dry.			FILL	
					0.0					2
	S1	2-4			0.1	S1: Black, CLAY, little medium to coarse Sand, trace roots, faint organic odor, moist.				
	S2	4-8	48	44		S2: Red brown, CLAY, some fine Gravel, little fine to coarse Sand, moist.				
5					0.0					
					0.0					
					3.3					
	S3	8-12	48	44	3.0	S3: Red brown, CLAY, some fine Gravel, little fine to coarse Sand, moist. Seam of medium Sand, wet, from 8 to 8.5 feet.	1			
					10.8					
10					1.2					
					0.4					
	S4	12-16	48	4	0.4	S4: Red brown, CLAY, some medium Sand, moist.			GLACIAL TILL	
					0.0					
15										
	S5	16-20	48	46		S5: Red brown, CLAY, some medium to coarse Sand, moist.				
					0.0					
					0.0					
					0.0					
20	S6	20-24	48	10	0.0	S6: Red brown, CLAY, some medium to coarse Sand, moist.				
					0.0					
					0.0					
										24
25						End of exploration at 24 feet.				

REMARKS

1 - Soil sample collected from 8-9' at 12:15 on 03/12/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-63

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:16 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-64
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 24
Date Start - Finish: 3/12/2015 - 3/12/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 6620DT
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.3	48	39		S1: ASPHALT			ASPHALT	0.3
	S1	0.3-4			0.0	S1: FILL - Gray brown/black, CLAY, some fine Gravel, little medium to coarse Sand, moist				
					0.0				FILL	
					0.0					4
5	S2	4-8	48	45		S2: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.				
					2.8					
					3.6					
					5.0					
	S3	8-12	48	43	9.7	S3: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, some black organic soils observed, moist.	1			
					23.3					
10					12.1					
					2.3					
	S4	12-16	48	43	1.0	S4: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.				
					5.8					
					1.4				GLACIAL TILL	
15					0.4					
	S5	16-20	48	22	0.4	S5: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.				
					22.5					
					17.5					
20	S6	20-24	48	26		S6: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.	2			
					23.7					
					30.3					24
25						End of exploration at 24 feet.				

REMARKS

1 - Soil sample collected from 8-9' at 13:30 on 03/12/2015. Submitted for EPA Method 8260B analysis.
2 - Soil sample collected from 20-21' at 13:35 on 03/12/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-64

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:17 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-65
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 24
Date Start - Finish: 3/12/2015 - 3/12/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 6620DT
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.4	48	36		S1: ASPHALT			ASPHALT	0.4
	S1	0.4-1.8			0.0	S1: FILL - Brown, CLAY, some coarse Sand, little fine Gravel, dry.			FILL	1.8
	S1	1.8-4			0.0	S1: Gray/brown, CLAY, some coarse Sand, little fine Gravel, dry.				
					0.0					
5	S2	4-8	48	44		S2: Brown, CLAY, some fine Gravel, little medium to coarse Sand, dry to moist.				
					0.4					
					3.5					
					4.5					
	S3	8-12	48	24	11.3	S3: Brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.				
					3.8					
10					4.9					
	S4	12-16	48	24		S4: Brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.			GLACIAL TILL	
					8.9					
					13.2					
15										
	S5	16-20	48	31		S5: Brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.	1			
					22.7					
					13.1					
					2.9					
20	S6	20-24	48	30		S6: Brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.				
					4.5					
					2.1					
					2.2					
										24
25						End of exploration at 24 feet.				

REMARKS

1 - Soil sample collected from 16-17' at 14:25 on 03/12/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-65

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:18 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-66
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 24
Date Start - Finish: 3/12/2015 - 3/12/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 6620DT
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.3	48	40		S1: ASPHALT			ASPHALT	0.3
	S1	0.3-1			0.0	S1: FILL - Black/brown, SILT, little medium Sand, dry.			FILL	1
	S1	1-4			0.0	S1: Brown, SILT, little fine Gravel, dry.				
					1.6					
5	S2	4-8	48	46		S2: Red brown, SILT, little fine Gravel, dry.				
					18.5					
					11.3					
					7.7					
	S3	8-12	48	40	62.4	S3: Red brown, SILT, little fine Gravel, dry.				
					162					
10					67.8					
					11.3					
	S4	12-16	48	37	7.4	S4: Red brown, SILT, little fine Gravel, dry.	1		GLACIAL TILL	
					221					
					162					
15					6.4					
	S5	16-20	48	40		S5: Red brown, CLAY, some fine Gravel, little medium to coarse				
					5.4	Sand, moist.				
					5.4					
					0.0					
20	S6	20-24	48	28		S6: Red brown, CLAY, some fine Gravel, little medium to coarse				
					1.8	Sand, moist.				
					0.0					
										24
25						End of exploration at 24 feet.				

REMARKS

1 - Soil sample collected from 12-13' at 15:20 on 03/12/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-66

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:18 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-67
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 24
Date Start - Finish: 3/12/2015 - 3/12/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 6620DT
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.3	48	16		S1: ASPHALT			ASPHALT	0.3
	S1	0.3-4			0.0	S1: FILL - Gray, fine GRAVEL with Silt, dry.				
					0.0				FILL	
	S2	4-5	48	31		S2: Gray, fine GRAVEL with Silt, wet.				
5	S2	5-8			0.0	S2: Red brown, CLAY, little medium to caorse Sand, trace fine				5
					0.0	Gravel, moist.				
					0.0					
	S3	8-12	48	12		S3: Brown, CLAY with medium Sand, wet.				
					0.0					
10										
	S4	12-16	48	43		S4: Brown, CLAY, some medium to coarse Sand, trace Gravel,				
					1.0	moist to wet.				
					1.2					
15					1.0		1		GLACIAL TILL	
	S5	16-20	48	20	3.3	S5: Brown, CLAY, some medium to caorse Sand, wet.				
					0.0					
					0.0					
20										
	S6	20-24	48	20		S6: Brown, CLAY, some medium to caorse Sand, wet.				
					0.0					
					0.0					24
25						End of exploration at 24 feet.				

REMARKS

1 - Soil sample collected from 15-16' at 16:30 on 03/12/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-67

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:19 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-68
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 20
Date Start - Finish: 3/13/2015 - 3/13/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 54LT
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.4	48	38		S1: Concrete Floor			CONCRETE	0.4
		0.4-4			0.0	: FILL - Red brown, SILT with fine Sand, dry.				
					0.0					
					0.0					
	S2	4-8	48	48		S2: Red brown, CLAY, some fine Gravel, little medium to coarse				
5					0.0	Sand, dry to moist.				
					0.0					
					0.0		1			
	S3	8-12	48	12	0.0	S3: Red brown, CLAY, some medium to coarse Sand, moist.				
					0.0					
10									GLACIAL TILL	
	S4	12-16	48	20		S4: Red brown, CLAY, some medium to coarse Sand, moist.				
					0.0					
					0.0					
15										
	S5	16-20	48	30		S5: Red brown, CLAY, some fine Gravel, little medium to coarse	2			
					0.0	Sand, moist.				
					0.0					
					0.0					
20										20
						End of exploration at 20 feet.				
25										

REMARKS

1 - Soil sample collected from 7-8' at 09:30 on 03/13/2015. Submitted for EPA Method 8260B analysis.
2 - Soil sample collected from 16-17' at 09:35 on 03/13/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-68

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:20 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-69
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 20
Date Start - Finish: 3/13/2015 - 3/13/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 54LT
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.4	48	30		S1: Concrete Floor			CONCRETE	0.4
	S1	0.4-4	48		0.0	S1: FILL - Brown, SILT with fine to medium Sand, dry.				
					0.0					
					0.0					
	S2	4-8	48	48		S2: Red brown, CLAY, some fine Gravel, little medium to coarse				
5					0.0	Sand, dry to moist.				
					0.0					
					0.0					
	S3	8-12	48	24	0.0	S3: Red brown, CLAY, some medium to coarse Sand, moist.				
					0.1					
10					0.2				GLACIAL TILL	
	S4	12-16	48	16		S4: Red brown, CLAY, some medium to caorse Sand, moist.	1			
					0.5					
					0.8					
15										
	S5	16-20	48	44		S5: Red brown, CLAY, some medium to caorse Sand, moist.				
					0.0					
					0.0					
					0.0					
20					0.0					20
						End of exploration at 20 feet.				
25										

REMARKS

1 - Soil sample collected from 12-13' at 10:40 on 03/13/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-69

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:21 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-70
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 20
Date Start - Finish: 3/13/2015 - 3/13/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 54LT
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.4	48	36		S1: Concrete Floor			CONCRETE	0.4
	S1	0.4-4			0.1	S1: FILL - Red brown, CLAY with fine Sand, moist.				
					0.4					
					0.1					
	S2	4-8	48	46		S2: Red brown, CLAY, some fine Gravel, little medium to coarse				
5					0.2	Sand, moist.				
					0.4		1			
					1.2					
	S3	8-12	48	0	0.4	S3: No Recovery.				
10									GLACIAL TILL	
	S4	12-16	48	38		S4: Red brown, CLAY, some fine Gravel, little medium to coarse				
					0.1	Sand, moist.				
					0.1					
15					0.1					
	S5	16-20	48	30	0.0	S5: Red brown, CLAY, some fine Gravel, little medium to coarse				
					0.3	Sand, moist.				
					0.1					
20										20
						End of exploration at 20 feet.				
25										

REMARKS

1 - Soil sample collected from 6-7' at 11:30 on 03/13/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-70

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:21 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-71
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 20
Date Start - Finish: 3/13/2015 - 3/13/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 54LT
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.4	48	40		S1: Concrete Floor			CONCRETE	0.4
	S1	0.4-4			0.0	S1: FILL - Brown, CLAY, Some medium to coarse Sand, dry to moist.				
					0.0					
					0.0		1			
	S2	4-8	48	46	0.0	S2: Red brown, CLAY, some medium to coarse Sand, moist.				
5					0.0					
					0.0					
					0.0					
	S3	8-12	48	44	0.0	S3: Red brown, CLAY, some medium to coarse Sand, little fine Gravel, moist.				
					0.0					
10					0.0				GLACIAL TILL	
					0.0					
	S4	12-16	48	38	0.0	S4: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.				
					0.0					
					0.0					
15					0.0					
	S5	16-20	48	36		S5: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.				
					0.0					
					0.0					
					0.0					
20										20
						End of exploration at 20 feet.				
25										

REMARKS

1 - Soil sample collected from 3-4' at 13:15 on 03/13/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-71

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:22 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-72
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 20
Date Start - Finish: 3/13/2015 - 3/13/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 54LT
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Depth (ft.)
	S1	0-0.4	48	41		S1: Concrete Floor			CONCRETE	0.4
	S1	0.4-4			0.3	S1: FILL - Brown, CLAY, some fine Gravel, little medium to coarse Sand, solvent-like odor, dry.				
					1.1					
	S2	4-8	48	46	0.6	S2: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, solvent-like odor, dry to moist.				
5					0.8					
					2.0					
					3.0					
	S3	8-12	48	44	0.8	S3: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, solvent-like odor, dry to moist.				
					1		1			
10					5				GLACIAL TILL	
					3					
	S4	12-16	48	28	1	S4: Red brown, CLAY, some fine to medium Sand, trace fine Gravel, moist.				
					3.2					
					1					
15										
	S5	16-20	48	30		S5: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.				
					0.1					
					0.1					
					0.1					
20										20
						End of exploration at 20 feet.				
25										

REMARKS

1 - Soil sample collected from 9-10' at 14:05 on 03/13/2015; Field Duplicate 02 is also associated with this sample. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-72

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:23 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-73
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 20
Date Start - Finish: 3/13/2015 - 3/13/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 54LT
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Stratum Depth (ft.)
	S1	0-0.4	48	40		S1: Concrete Floor			CONCRETE	0.4
	S1	0.4-4			0.1	S1: FILL - Brown, CLAY, little fine to medium Sand, trace fine Gravel, dry.			GLACIAL TILL	4
					0.1					
					0.1					
					0.1					
5	S2	4-8	48	43	0.1	S2: Brown, CLAY, little fine to medium Sand, trace fine Gravel, dry to moist.	1			
					0.1					
					0.1					
					0.1					
	S3	8-12	48	26	0.1	S3: Red brown, CLAY, some fine Gravel, little fine to medium Sand, moist.				
10					0.1					
	S4	12-16	48	20		S4: Red brown, CLAY, little fine Gravel, little fine to medium Sand, moist.				
					0.1					
					0.1					
15										
	S5	16-20	48	40		S5: Red brown, CLAY, little fine Gravel, little fine to medium Sand, moist.				
					0.1					
					0.1					
					0.1					
20						End of exploration at 20 feet.				
25										

REMARKS

1 - Soil sample collected from 6-7' at 15:25 on 03/13/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-73

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:24 PM

GEOPROBE LOG

GZA GeoEnvironmental, Inc.
Engineers and Scientists

Northtown Associates LLC
Northtown Plaza BCP Site
Amherst, New York

EXPLORATION NO.: SP-74
SHEET: 1 of 1
PROJECT NO: 31.0056687.30
REVIEWED BY: J. Richert

Logged By: T. Bown
Drilling Co.: Trec Environmental Inc.
Foreman: J. Ager

Geoprobe Location: See Plan
Ground Surface Elev. (ft.):
Final Geoprobe Depth (ft.): 11.5
Date Start - Finish: 3/13/2015 - 3/13/2015

H. Datum:
V. Datum:

Type of Rig: Geoprobe
Rig Model: 54LT
Drilling Method: Direct Push

Sampler Type: Macro
Sampler O.D. (in.): 1.75
Sampler Length (in.): 48
Rock Core Size: NA

Groundwater Depth (ft.)			
Date	Time	Water Depth	Stab. Time
		NA	

Depth (ft)	Sample No.	Sample Depth (ft.)	Pen. (in)	Rec. (in)	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Stratum Description	Stratum Depth (ft.)
	S1	0-0.4	48	46		S1: Concrete Floor			CONCRETE	0.4
	S1	0.4-4			0.1	S1: FILL - Brown, CLAY, some fine to coarse Sand, trace fine Gravel, dry.				
					0.0				GLACIAL TILL	
					0.1					
					0.1					4
	S2	4-8	48	46		S2: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, dry.				
5					0.3		1			
					0.2					
					0.1					
	S3	8-11.5	42	40	0.1	S3: Red brown, CLAY, some fine Gravel, little medium to coarse Sand, moist.				
					0.1					
10					0.1					
					0.1					
						End of exploration at 11.5 feet.				
15										
20										
25										

REMARKS

1 - Soil sample collected from 5-6' at 15:55 on 03/13/2015. Submitted for EPA Method 8260B analysis.

Field Screening performed with PID equipped with a 11.7 eV lamp calibrated to a 100 ppm isobutylene standard.See Log Key for explanation of sample description and identification procedures. Stratification lines represent approximate boundaries between soil types. Actual transitions may be gradual.

SP-74

GZA TEMPLATE GEOPROBE; 3/31/2015; 3:45:24 PM

Monitoring Well Installation
Northtown Plaza
Amherst, New York

Boring No. MW-8
Flie No. 31.0056687.30
Checked By: JR

25'S, 9'E of T. Automotive SE corner

CONTRACTOR	TREC Environmental, Inc.	BORING LOCATION	See Location Plan
DRILLER	Jim Ager	GROUND SURFACE ELEVATION	DATUM
START DATE: 4/22/2015	END DATE: 4/22/2015	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	NOTES
4/22/15	1330	Dry	1" PVC	

TYPE OF DRILL RIG	Geo Probe 6620 DT
CASING SIZE AND DIAMETER	
OVERBURDEN SAMPLING METHOD	Direct Push
ROCK DRILLING METHOD	Not Applicable

DEPTH	SAMPLE BLOWS (/6")	NO.	DEPTH (FT)	N-VALUES /RQD	RECOVERY (%)	SAMPLE DESCRIPTION	WELL INSTALLATION DIAGRAM	WELL INSTALLATION DESCRIPTION	OVM (ppm)
1	S-1		0-2		50	Asphalt (3-inches) Dark Brown / Black f/c SAND, little Gravel, tr. Silt, moist (FILL)			0.5
2	S-2		2-4		50	Brown Silty CLAY, tr. Sand, tr. Gravel, moist (NATIVE)			0
3								1" Ø Microwell installed	
4	S-3		4-6		100			• screened - w/ pre-Sand pack - 5-20' bgs	0 (10 slot)
5									
6	S-4		6-8		100				0
7								• Sand Pack (ODN Sand) to 4' bgs	
8	S-5		8-10		100				0
9									
10	S-6		10-12		100			• Medium Bentonite Chips to ~1.5' bgs	0
11									
12	S-7		12-14		100				0
13									
14	S-8		14-16		100			BOW = 19.47' from TOR	0
15									
16	S-9		16-18		100			TOR to Top of pad box = 0.08'	0
17									
18	S-10		18-20		100				0
19									
20						End @ 20' bgs			

S - Split Spoon Sample
C - Rock Core Sample

NOTES:
1) Water level data referenced to ground surface elevation.
2) BGS = below ground surface, NV = no value, WOH = weight of hammer, WOR = weight of rods.

General Notes:
1) Stratification lines represent approximate boundary between soil types; transitions may be gradual.
2) Water level readings have been made at times and under conditions stated; fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

Monitoring Well Installation
Northtown Plaza
Amherst, New York

Boring No. MW-~~8~~ 9
Flie No. 31.0056687.30
Checked By: JR

36.5' N, 9' E of T. Automotive SE corner

CONTRACTOR	TREC Environmental, Inc.	BORING LOCATION	See Location Plan
DRILLER	Jim Ager	GROUND SURFACE ELEVATION	DATUM
START DATE: 4/22/2015	END DATE: 4/22/2015	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	NOTES
4/22/15	1341	12.81	1" PVC	

TYPE OF DRILL RIG	Geoprobe 6610 DT
CASING SIZE AND DIAMETER	
OVERBURDEN SAMPLING METHOD	Direct Push
ROCK DRILLING METHOD	Not Applicable

DEPTH	SAMPLE BLOWS (/6")	NO.	DEPTH (FT)	N-VALUES /RQD	RECOVERY (%)	SAMPLE DESCRIPTION	WELL INSTALLATION DIAGRAM	WELL INSTALLATION DESCRIPTION	OVM (ppm)
1	S-1		0-2		60	Asphalt (3") / little Gravel / P. Brown f/c SAND, tr. Silt, moist (FILL).			0
2	S-2		2-4		60	Brown Silty CLAY, tr. Sand, tr. Gravel, moist (NATIVE).			0
3									
4	S-3		4-6		100	(Sleeve wet - core moist - perched).		1" ϕ Microwell installed	0
5								• screened -	10 slot
6	S-4		6-8		100			w/ pre-Sand pack - ~5-20' bgs.	0
7									
8	S-5		8-10		70			• Sand Pack (00 N Sand) to 4' bgs	0
9									
10	S-6		10-12		70			• Medium Bentonite Chips to ~ 0.65' bgs	0.2
11									
12	S-7		12-14		80				0
13									
14	S-8		14-16		60			BOW = 19.32' TOR	0
15									
16	S-9		16-18		10			TOR - Top of road box = 0.34'	0
17									
18	S-10		18-20		10				0
19									
20						End @ 20' bgs			

S - Split Spoon Sample
C - Rock Core Sample

NOTES:
1) Water level data referenced to ground surface elevation.
2) BGS = below ground surface, NV = no value, WOH = weight of hammer, WOR = weight of rods.

General Notes:
1) Stratification lines represent approximate boundary between soil types; transitions may be gradual.
2) Water level readings have been made at times and under conditions stated; fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

APPENDIX B

WELL CONSTRUCTION LOGS

GZA GeoEnvironmental of New York

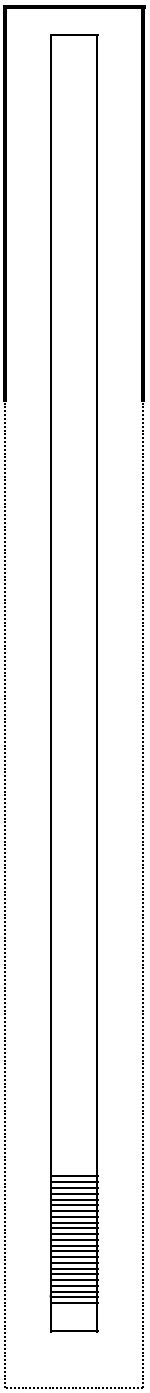
MONITORING WELL INSTALLATION REPORT

Well No. MW - 4

Project Number: 31.0056687.30	**Field Geologist**: T. Bown	**Ground El.:** 97.43
Client: Northtown Associates	**Project Manager:** J. Richert	**El. Datum:** Ground Shot
Location (City, State): Amherst, NY	**Installation Date:** 03/10/2015 ☐ Stick-Up ☑ Flushmou	**Latitude:**
Contractor: Trec Environmental Inc.	**Water Level:** NA	**Longitude:**
Driller: J. Ager		

Location Notes: MW-4 is associated with SP - 52, see boring log for subsurface details. Elevation survey is relative to a 100-foot reference point measured from the top of the westernmost bollard on the southwest corner of the plaza building protecting a gas meter.

Soil/Rock Conditions	Borehole Backfill
ASPHALT 0.3	0 Concrete 1
0.3 FILL 1.8	1 Bentonite 3.5
1.8 GLACIAL TILL 20	3.5 PrePacked 00N Sand 19.5
20	19.5



Type of Lock (Key Number): Not Applicable

Protective Casing (ft.) 0
at ground surface
Length (in.): 12
Diameter (in.): 8

depth of top of well riser below ground surface (ft.): 0.5
Installation Notes: Monitoring well was installed using a Geoprobe.

Well riser material: Sch. 40 PVC
Diameter (in.): 1.0

Well Material Types	Top Depth (ft.)	Bottom Depth (ft.)
Concrete	0.0	1.0
Portland grout	NA	NA
Bentonite Grout	1.0	3.5
Sand Pack	3.5	19.5

Top of well screen (ft.): 4.5
Sand Pack Type: Prepacked 00N
Well Screen Material: Sch. 40 PVC 0.010 Slot
Diameter (in.): 1.0
Bottom of well screen (ft.): 19.5

Bottom of silt trap (ft.):

Bottom of borehole (ft.): 20.0

4	+	15	+		=	19
Riser Length (ft.)	+	Screen Length (ft.)	+	Silt Trap Length (ft.)	=	Total Length (ft.)

Well No. MW - 4

GZA GeoEnvironmental of New York

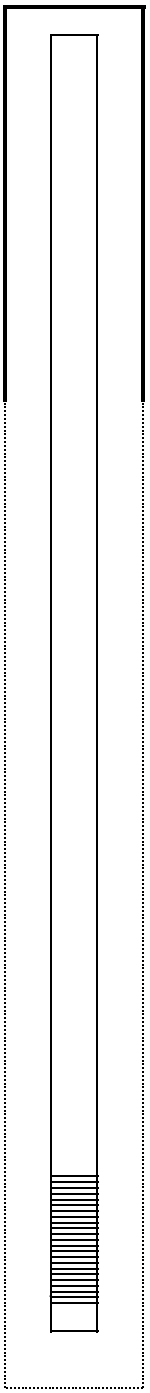
MONITORING WELL INSTALLATION REPORT

Well No. MW - 5

Project Number: 31.0056687.30	**Field Geologist**: T. Bown	**Ground El.:** 97.2
Client: Northtown Associates	**Project Manager:** J. Richert	**El. Datum:** Ground Shot
Location (City, State): Amherst, NY	**Installation Date:** 03/10/2015	**Latitude:**
Contractor: Trec Environmental Inc.	**Water Level:** NA	**Longitude:**
Driller: J. Ager		☐ Stick-Up ☑ Flushmount

Location Notes: MW-5 is associated with SP - 53, see boring log for subsurface details. Elevation survey is relative to a 100-foot reference point measured from the top of the westernmost bollard on the southwest corner of the plaza building protecting a gas meter.

Soil/Rock Conditions	Borehole Backfill
ASPHALT 0.3	0 Concrete 1
0.3 FILL 4	1 Bentonite 2.5
4 GLACIAL TILL 20	2.5 PrePacked 00N Sand 18
20	18



Type of Lock (Key Number): Not Applicable

Protective Casing (ft.) 0
at ground surface
Length (in.): 12
Diameter (in.): 8

depth of top of well riser below ground surface (ft.): 0.5
Installation Notes: Monitoring well was installed using a Geoprobe.

Well riser material: Sch. 40 PVC
Diameter (in.): 1.0

Well Material Types	Top Depth (ft.)	Bottom Depth (ft.)
Concrete	0.0	1.0
Portland grout	NA	NA
Bentonite Grout	1.0	2.5
Sand Pack	2.5	18.0

Top of well screen (ft.): 3.0
Sand Pack Type: Prepacked 00N
Well Screen Material: Sch. 40 PVC 0.010 Slot
Diameter (in.): 1.0
Bottom of well screen (ft.): 18.0

Bottom of silt trap (ft.):

Bottom of borehole (ft.): 20.0

2.5	+	15	+		=	17.5
Riser Length (ft.)	+	Screen Length (ft.)	+	Silt Trap Length (ft.)	=	Total Length (ft.)

Well No. MW - 5

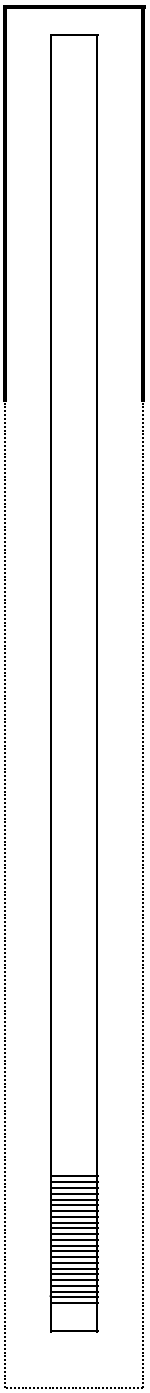
GZA GeoEnvironmental of New York

MONITORING WELL INSTALLATION REPORT

Well No. MW - 6

Project Number: 31.0056687.30	**Field Geologist**: T. Bown	**Ground El.:** 96.57
Client: Northtown Associates	**Project Manager:** J. Richert	**El. Datum:** Ground Shot
Location (City, State): Amherst, NY	**Installation Date:** 03/10/2015 ☐ Stick-Up ☑ Flushmou	**Latitude:**
Contractor: Trec Environmental Inc.	**Water Level:** NA	**Longitude:**
Driller: J. Ager		

Soil/Rock Conditions	Borehole Backfill	Location Notes: MW-5 is associated with SP - 54, see boring log for subsurface details. Elevation survey is relative to a 100-foot reference point measured from the top of the westernmost bollard on the southwest corner of the plaza building protecting a gas meter.
ASPHALT 0.3	0 Concrete	
0.3 FILL 1	1	
1	1 Bentonite 2.5	
	2.5	
GLACIAL TILL	PrePacked 00N Sand	
20	19.5	
20	19.5	



Type of Lock (Key Number): Not Applicable

Protective Casing (ft.) 0
at ground surface
Length (in.): 12
Diameter (in.): 8

depth of top of well riser below ground surface (ft.): 0.5
Installation Notes: Monitoring well was installed using a Geoprobe.

Well riser material: Sch. 40 PVC
Diameter (in.): 1.0

Well Material Types	Top Depth (ft.)	Bottom Depth (ft.)
Concrete	0.0	1.0
Portland grout	NA	NA
Bentonite Grout	1.0	3.5
Sand Pack	3.5	19.5

Top of well screen (ft.): 4.5
Sand Pack Type: Prepacked 00N
Well Screen Material: Sch. 40 PVC 0.010 Slot
Diameter (in.): 1.0
Bottom of well screen (ft.): 19.5

Bottom of silt trap (ft.):

Bottom of borehole (ft.): 20.0

4	+	15	+		=	19
Riser Length (ft.)	+	Screen Length (ft.)	+	Silt Trap Length (ft.)	=	Total Length (ft.)

Well No. MW - 6

GZA GeoEnvironmental of New York

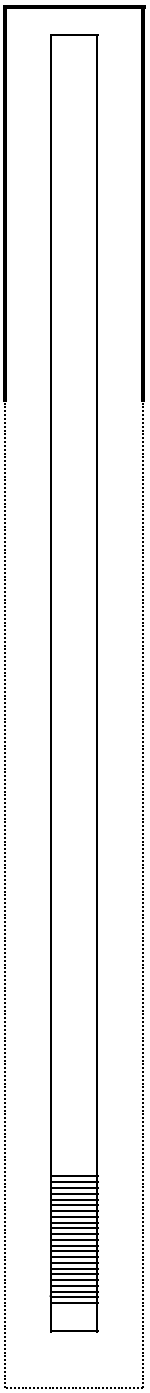
MONITORING WELL INSTALLATION REPORT

Well No. MW - 7

Project Number: 31.0056687.30	**Field Geologist**: T. Bown	**Ground El.:** 97.05
Client: Northtown Associates	**Project Manager:** J. Richert	**El. Datum:** Ground Shot
Location (City, State): Amherst, NY	☐ Stick-Up ☑ Flushmou **Installation Date:** 03/11/2015	**Latitude:**
Contractor: Trec Environmental Inc.	**Water Level:** NA	**Longitude:**
Driller: J. Ager		

Location Notes: MW-7 is associated with SP - 55, see boring log for subsurface details. Elevation survey is relative to a 100-foot reference point measured from the top of the westernmost bollard on the southwest corner of the plaza building protecting a gas meter.

Soil/Rock Conditions	Borehole Backfill
ASPHALT 0.3	0 Concrete 1
0.3 FILL 4	1 Bentonite 6
4 GLACIAL TILL 22	6 PrePacked 00N Sand 18
22	18



Type of Lock (Key Number): Not Applicable

Protective Casing (ft.) 0
at ground surface
Length (in.): 12
Diameter (in.): 8

depth of top of well riser below ground surface (ft.): 0.5
Installation Notes: Monitoring well was installed using a Geoprobe.

Well riser material: Sch. 40 PVC
Diameter (in.): 1.0

Well Material Types	Top Depth (ft.)	Bottom Depth (ft.)
Concrete	0.0	1.0
Portland grout	NA	NA
Bentonite Grout	1.0	6.0
Sand Pack	6.0	18.0

Top of well screen (ft.): 8.0
Sand Pack Type: Prepacked 00N
Well Screen Material: Sch. 40 PVC 0.010 Slot
Diameter (in.): 1.0
Bottom of well screen (ft.): 18.0

Bottom of silt trap (ft.):

Bottom of borehole (ft.): 22.0

7.5	+	10	+		=	17.5
Riser Length (ft.)	+	Screen Length (ft.)	+	Silt Trap Length (ft.)	=	Total Length (ft.)

Well No. MW - 7

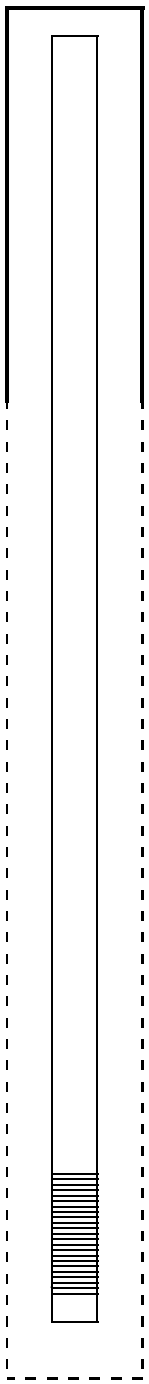
GZA GeoEnvironmental of New York

MONITORING WELL INSTALLATION REPORT

Well No. MW - 8

Project Number: 31.0056687.30	**Field Geologist**: T. Bohlen	**Ground El.:**
Client: Northtown Associates	**Project Manager:** J. Richert	**El. Datum:**
Location (City, State): Amherst, NY	**Installation Date:** 04/22/2015	**Latitude:**
Contractor: Trec Environmental Inc.	**Water Level:** NA	**Longitude:**
Driller: J. Ager		☐ Stick-Up ☑ Flushmount

Soil/Rock Conditions	Borehole Backfill	**Location Notes**: See boring log for subsurface details.
ASPHALT 0.3	0 Concrete 1	
0.3 FILL 1.5	1 Bentonite 4	
1.5 GLACIAL TILL 20	4 PrePacked 00N Sand 20	
20	20	



Type of Lock (Key Number): Not Applicable

Protective Casing (ft.) 0
at ground surface
Length (in.): 12
Diameter (in.): 8

depth of top of well riser below ground surface (ft.): 0.28
Installation Notes: Monitoring well was installed using a Geoprobe.

Well riser material: Sch. 40 PVC
Diameter (in.): 1.0

Well Material Types	Top Depth (ft.)	Bottom Depth (ft.)
Concrete	0.0	1.5
Portland grout	NA	NA
Bentonite Grout	1.5	4.0
Sand Pack	4.0	20.0

Top of well screen (ft.): 5.0
Sand Pack Type: Prepacked 00N
Well Screen Material: Sch. 40 PVC 0.010 Slot
Diameter (in.): 1.0
Bottom of well screen (ft.): 20.0

Bottom of silt trap (ft.):

Bottom of borehole (ft.): 20.0

4.72	+	15	+		=	19.72
Riser Length (ft.)	+	**Screen Length (ft.)**	+	**Silt Trap Length (ft.)**	=	**Total Length (ft.)**

Well No. MW - 8

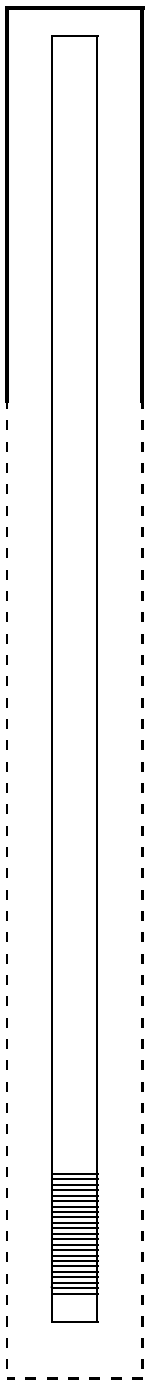
GZA GeoEnvironmental of New York

MONITORING WELL INSTALLATION REPORT

Well No. MW - 9

Project Number: 31.0056687.30	**Field Geologist**: T. Bohlen	**Ground El.:**
Client: Northtown Associates	**Project Manager:** J. Richert	**El. Datum:**
Location (City, State): Amherst, NY	**Installation Date:** 04/22/2015	**Latitude:**
Contractor: Trec Environmental Inc.	**Water Level:** NA	**Longitude:**
Driller: J. Ager		☐ Stick-Up ☑ Flushmount

Soil/Rock Conditions	Borehole Backfill	Location Notes: See boring log for subsurface details.
ASPHALT 0.3	0 Concrete 0.65	
0.3 FILL 1	0.65 Bentonite 4	
1 GLACIAL TILL 20	4 PrePacked 00N Sand 20	
20	20	



Type of Lock (Key Number): Not Applicable

Protective Casing (ft.) 0
at ground surface
Length (in.): 12
Diameter (in.): 8

depth of top of well riser below ground surface (ft.): 0.32
Installation Notes: Monitoring well was installed using a Geoprobe.

Well riser material: Sch. 40 PVC
Diameter (in.): 1.0

Well Material Types	Top Depth (ft.)	Bottom Depth (ft.)
Concrete	0.0	0.7
Portland grout	NA	NA
Bentonite Grout	0.7	4.0
Sand Pack	4.0	20.0

Top of well screen (ft.): 5.0
Sand Pack Type: Prepacked 00N
Well Screen Material: Sch. 40 PVC 0.010 Slot
Diameter (in.): 1.0
Bottom of well screen (ft.): 20.0

Bottom of silt trap (ft.):

Bottom of borehole (ft.): 20.0

4.68	+	15	+		=	19.68
Riser Length (ft.)	+	Screen Length (ft.)	+	Silt Trap Length (ft.)	=	Total Length (ft.)

Well No. MW - 9

APPENDIX C

FIELD FORMS

OSR – 3

SV-1 Fitness

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name R. Strack / T. Bohlen Date/Time Prepared 3/10/15

Preparer's Affiliation Consultant Phone No. 716-685-2300

Purpose of Investigation Real Estate Transaction

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors_____ Building age_____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with tile	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: 0 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

slightly cracked, floor drains, utilities

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Nat. Gas

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Air ducts located above drop ceiling tile

7. OCCUPANCY

Is basement/lowest level occupied? (Full-time) Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	
1st Floor	~~Vacant~~ store ~~rental~~ ~~space~~ fitness center
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type? _____

g. Is there smoking in the building? Y / (N) How frequently? _____

h. Have cleaning products been used recently? Y / (N) When & Type? _____

i. Have cosmetic products been used recently? Y / (N) When & Type? _____

j. Has painting/staining been done in the last 6 months? Y (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented? _____

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? Y / (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) (Unknown)
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / (N) Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

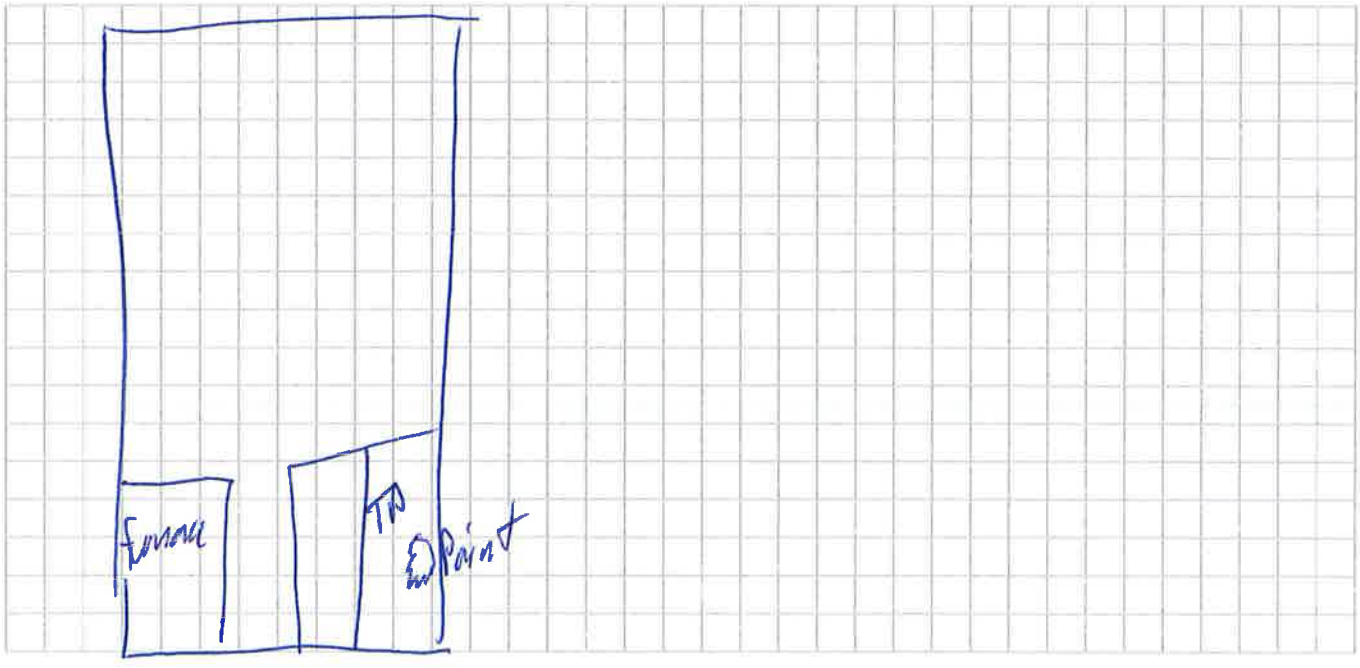
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

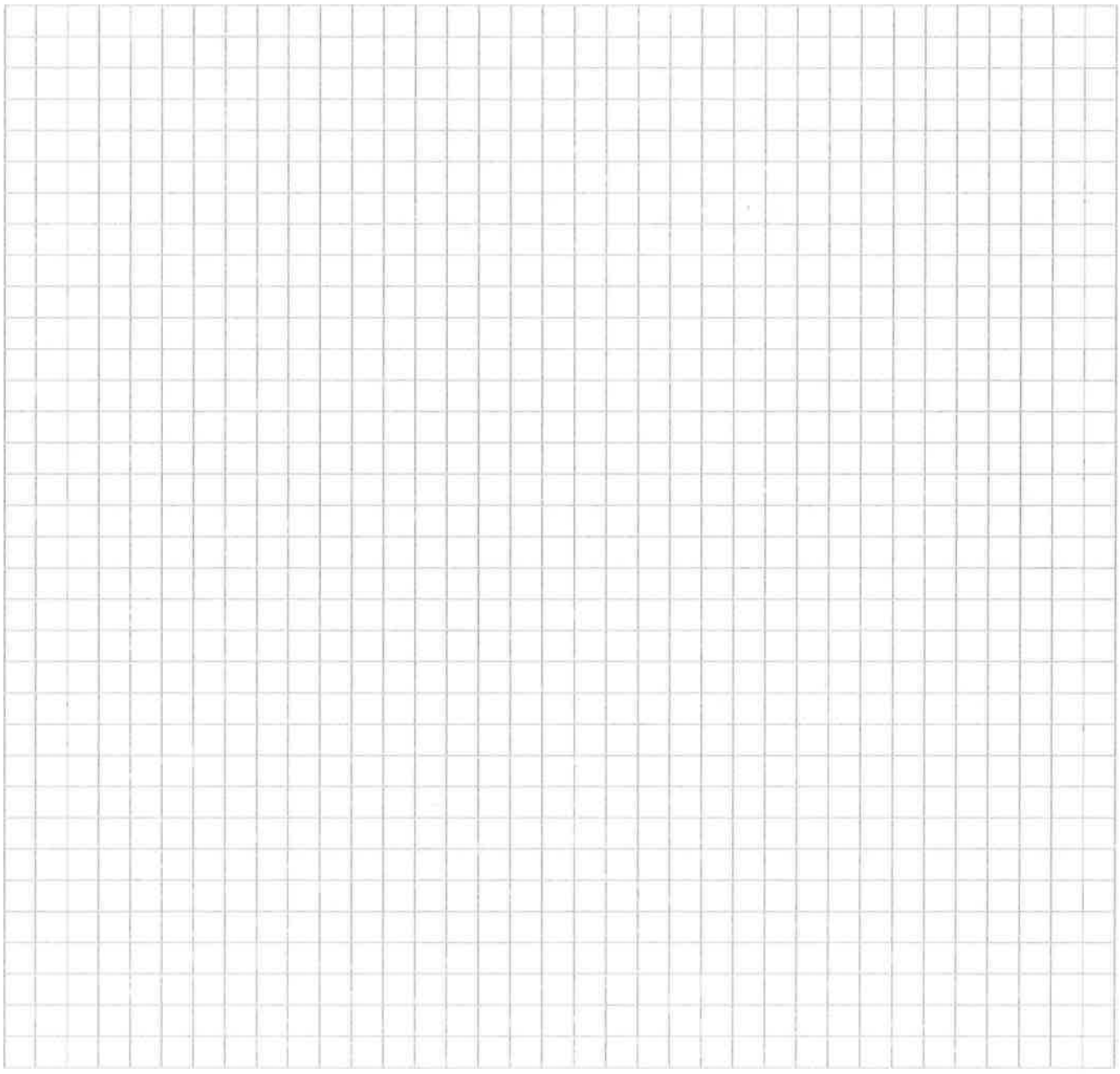
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: Mini Rae 3000 11.7eV

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
qty 14	paint	gal	U		0	
	409 Cleaner	gal	U		0	
	Disinfectant	gal	U		0	
qty 4	Purell Sanitizer	8oz	U	Alcohol	0	

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

OSR – 3

SV-2 Jackson Hewitt

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name R. Strack / T. Bohlen Date/Time Prepared 3/10/15

Preparer's Affiliation Consultant Phone No. 716-685-2300

Purpose of Investigation Real Estate Transaction

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors_____ Building age_____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: 0 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

slight cracking, floor drains, utilities

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Nat. gas

Boiler/furnace located in: Basement Outdoors Main Floor Other_____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Air duct located above drop ceiling

7. OCCUPANCY

Is basement/lowest level occupied? (Full-time) Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	
1st Floor	tax return preparer
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type? _____

g. Is there smoking in the building? Y / (N) How frequently? _____

h. Have cleaning products been used recently? Y / (N) When & Type? _____

i. Have cosmetic products been used recently? Y / (N) When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? _____

m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / N If yes, where vented? _____

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / N
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service
No
Unknown

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

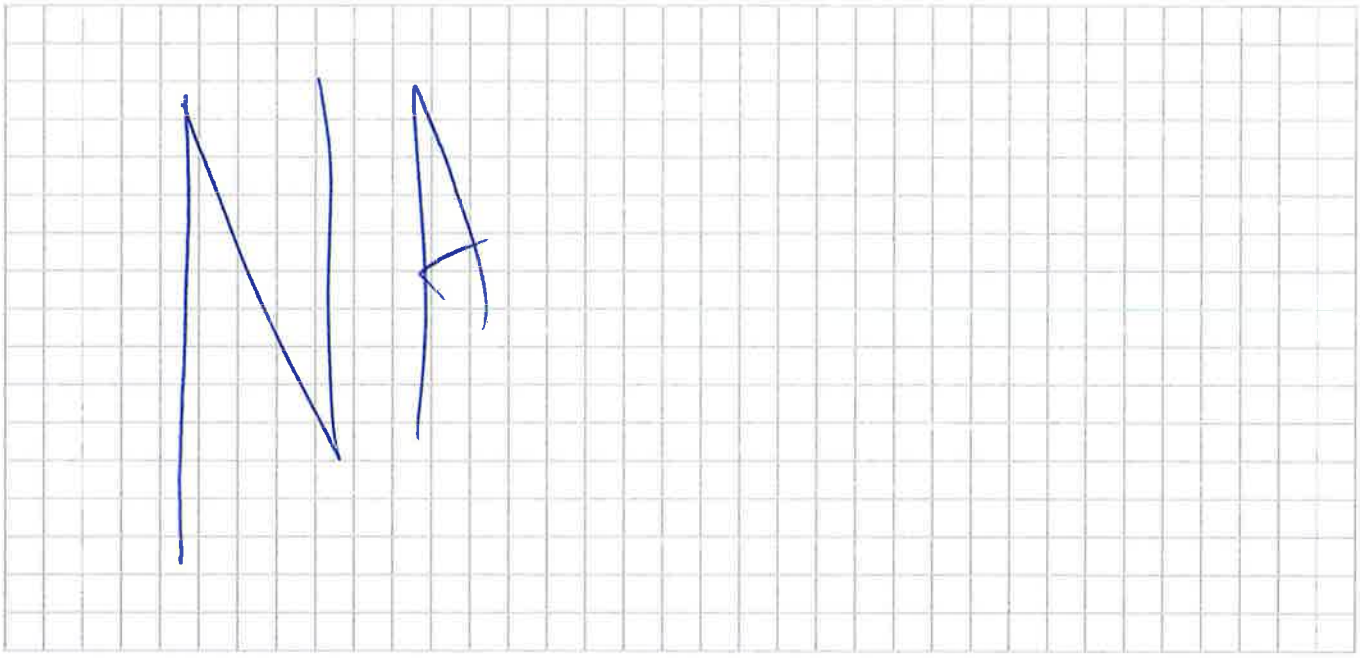
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

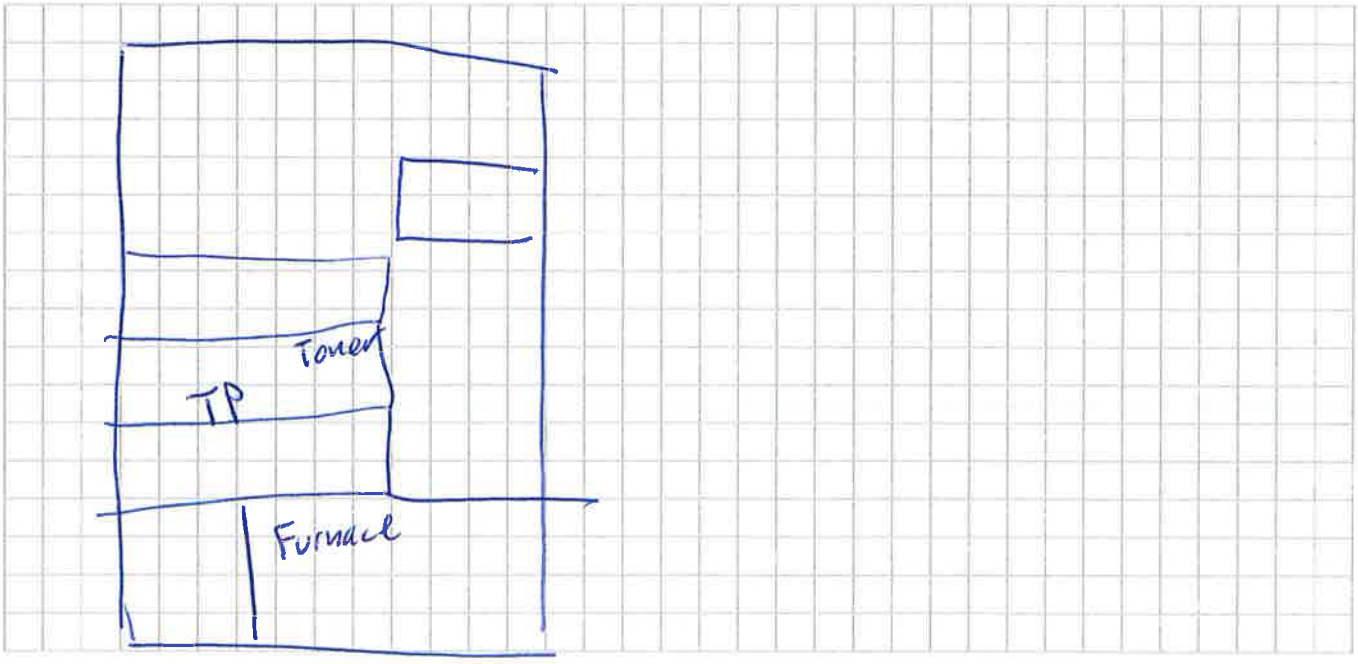
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



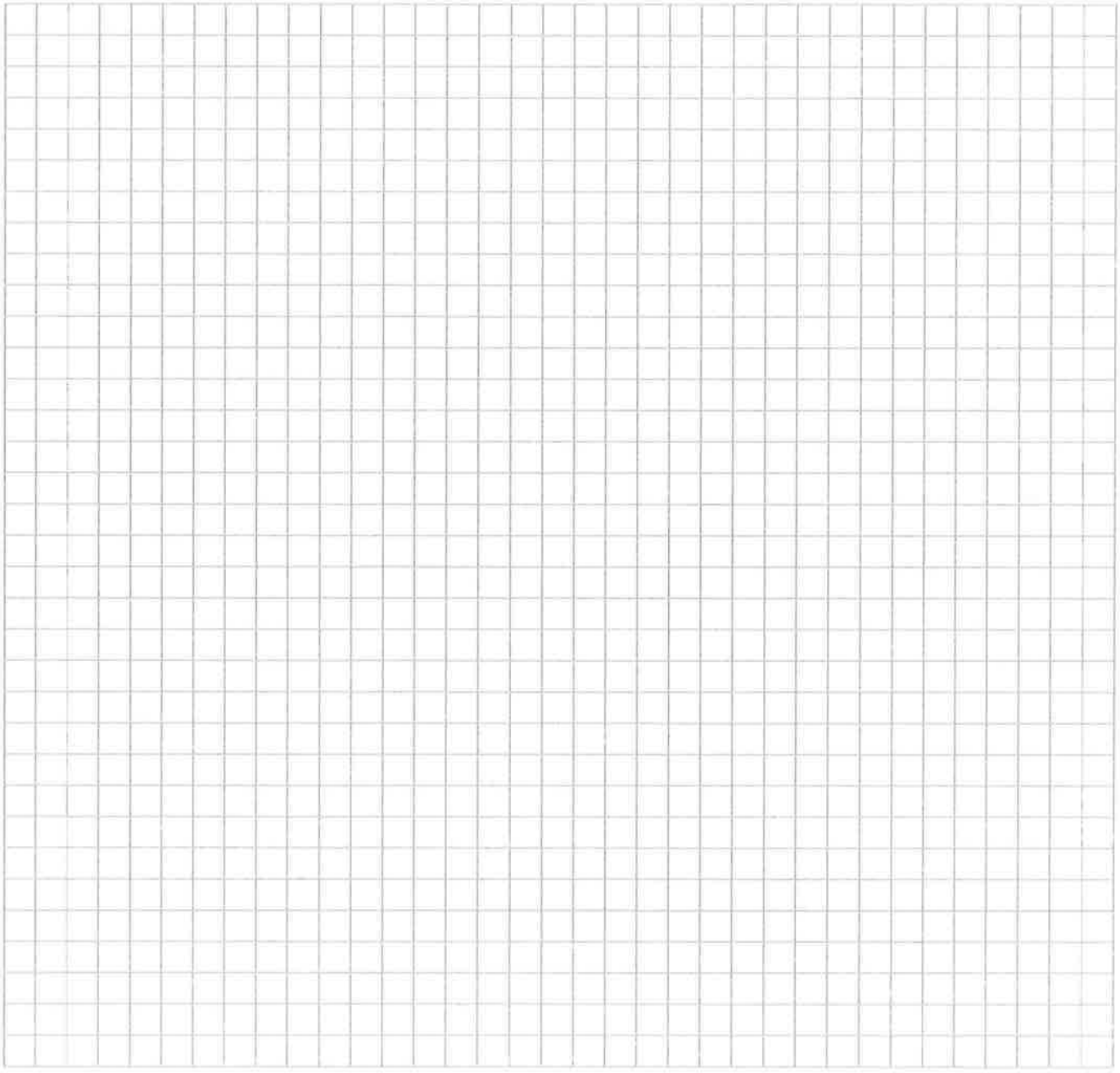
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: Min Rae 3000 11.7eV

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
	Toner Cartridges	18	U		0	

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

OSR – 3

SV-3 Shoppers Choice Bsmt.

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name _____ Date/Time Prepared _____

Preparer's Affiliation _____ Phone No._____

Purpose of Investigation_____

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _____First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors_____ Building age_____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor: partial	uncovered	covered	covered with carpet	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with paint	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: 10 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

slight cracking, multiple floor drains, utility entry ports

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Nat. gas

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

ductwork located above drop ceiling tile in basement,

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom (Almost Never)

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	storage by Riverside Mens Shop
1st Floor	Shoppers Choice Store
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? Y (N) Where & Type? _____

g. Is there smoking in the building? Y (N) How frequently? _____

h. Have cleaning products been used recently? Y (N) When & Type? _____

i. Have cosmetic products been used recently? Y (N) When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / (N) If yes, where vented? _____

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? (Y) / N
If yes, please describe: Sulfur at the sump cover

Do any of the building occupants use solvents at work? Y / (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service
~~No~~
Unknown

Is there a radon mitigation system for the building/structure? Y / (N) Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

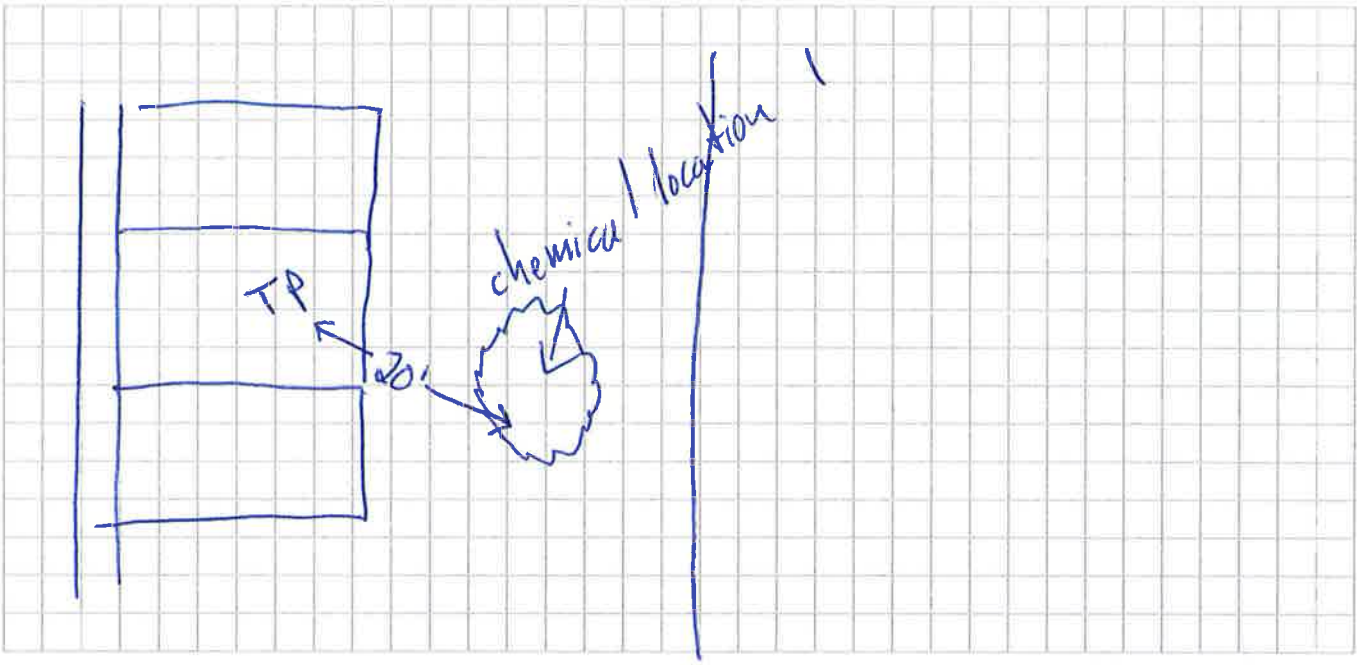
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

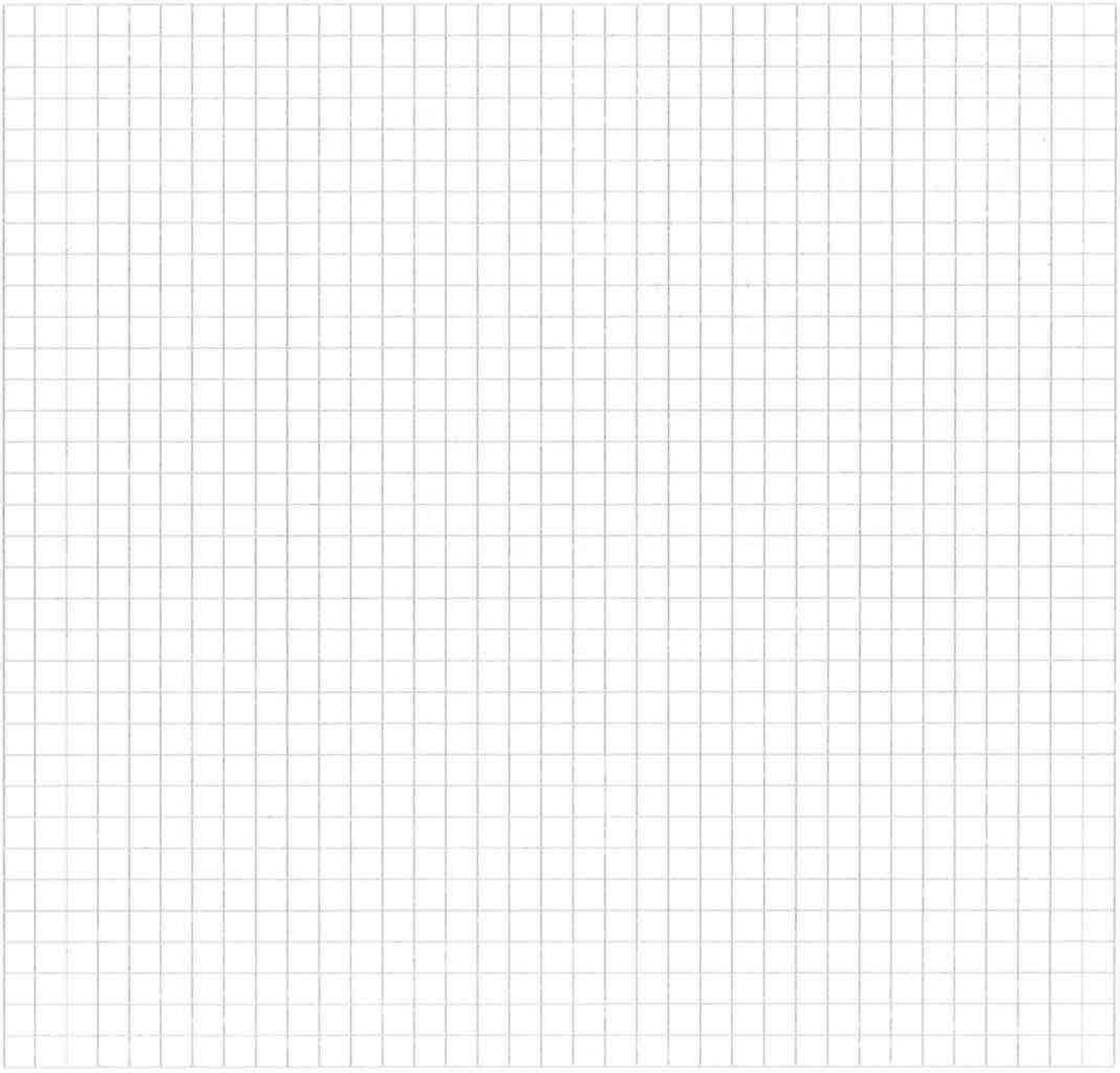


First Floor:

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: Mini Rae 3000 11.7 eV

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
qty 2	HD-40 Oil	qt	U			
	Polycrylic Finish	qt	U	propynol, ethylene glycol		
	Penetrating Lube	16 oz	U			
	Thinner	qt	U	mineral spirits		
	Turpentine	qt	U			
qty 3	Paint	8 oz	U			
qty 3	Bleach	qt	U			
qty 1	Wood Polish	lb	U	isobutane		
	Carpet Cleaner	gal	U	silicon emulsion		
	Disinfectant Deodorant	16 oz	U	2-Phenyl phenol, Ethanol		
qty 2	Glass Cleaner	19 oz	U	ethyl alcohol, methyl alc.		
	Ton-O-Wash	16 oz	U	methyl pentane, ethanol, hexane		
	Antiseptic Care	14 oz	U	dimethyl-ethyl benzene, ethanol		
	Stainless Steel Cleaner	16 oz	U	isobutane		

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

OSR – 3

SV-4 Riverside Mens

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name R. Strack / T. Bohlen Date/Time Prepared 3/10/15

Preparer's Affiliation consultant Phone No. 716-685-2300

Purpose of Investigation Real Estate Transaction

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors_____ Building age_____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: 0 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

slight cracking, floor drain, utilities

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Nat Gas

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Air ducts are above drop ceiling

7. OCCUPANCY

Is basement/lowest level occupied? (Full-time) Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	
1st Floor	Mens Clothing Shop
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type? _____

g. Is there smoking in the building? Y / (N) How frequently? _____

h. Have cleaning products been used recently? Y / (N) When & Type? _____

i. Have cosmetic products been used recently? Y / (N) When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? _____

m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / N If yes, where vented? _____

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / N
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service
No
Unknown

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

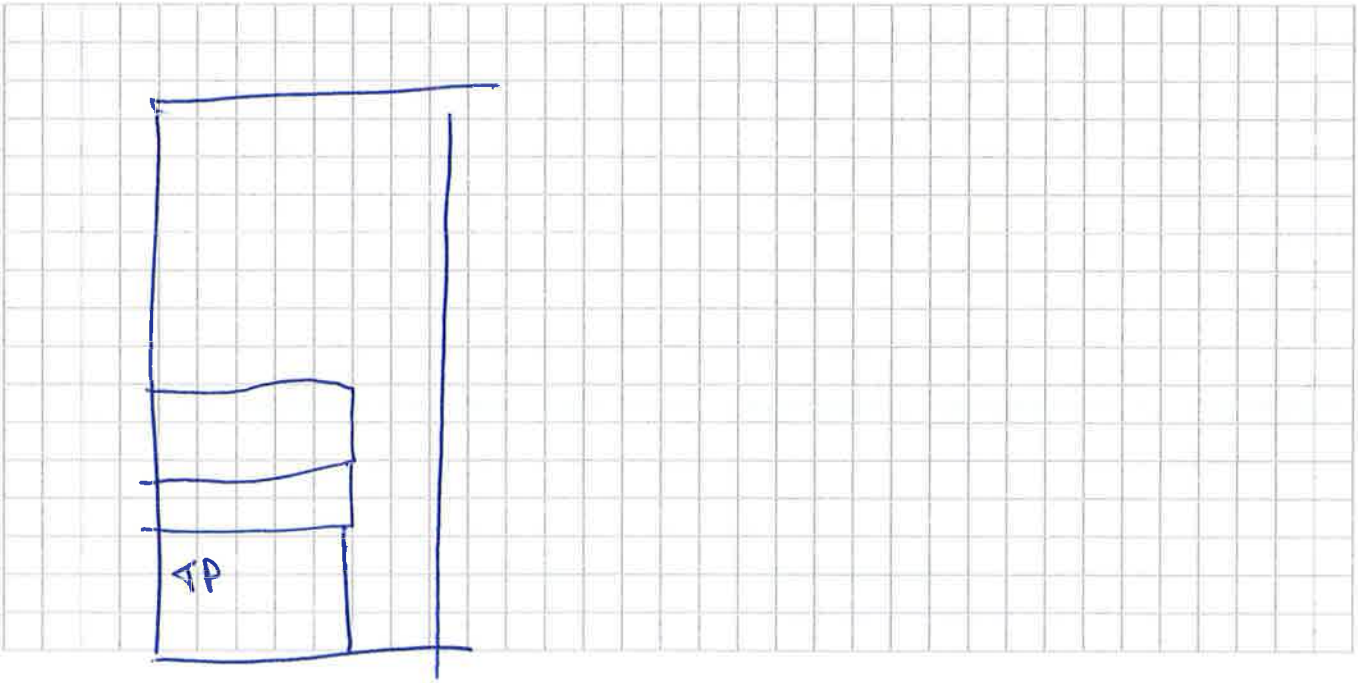
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

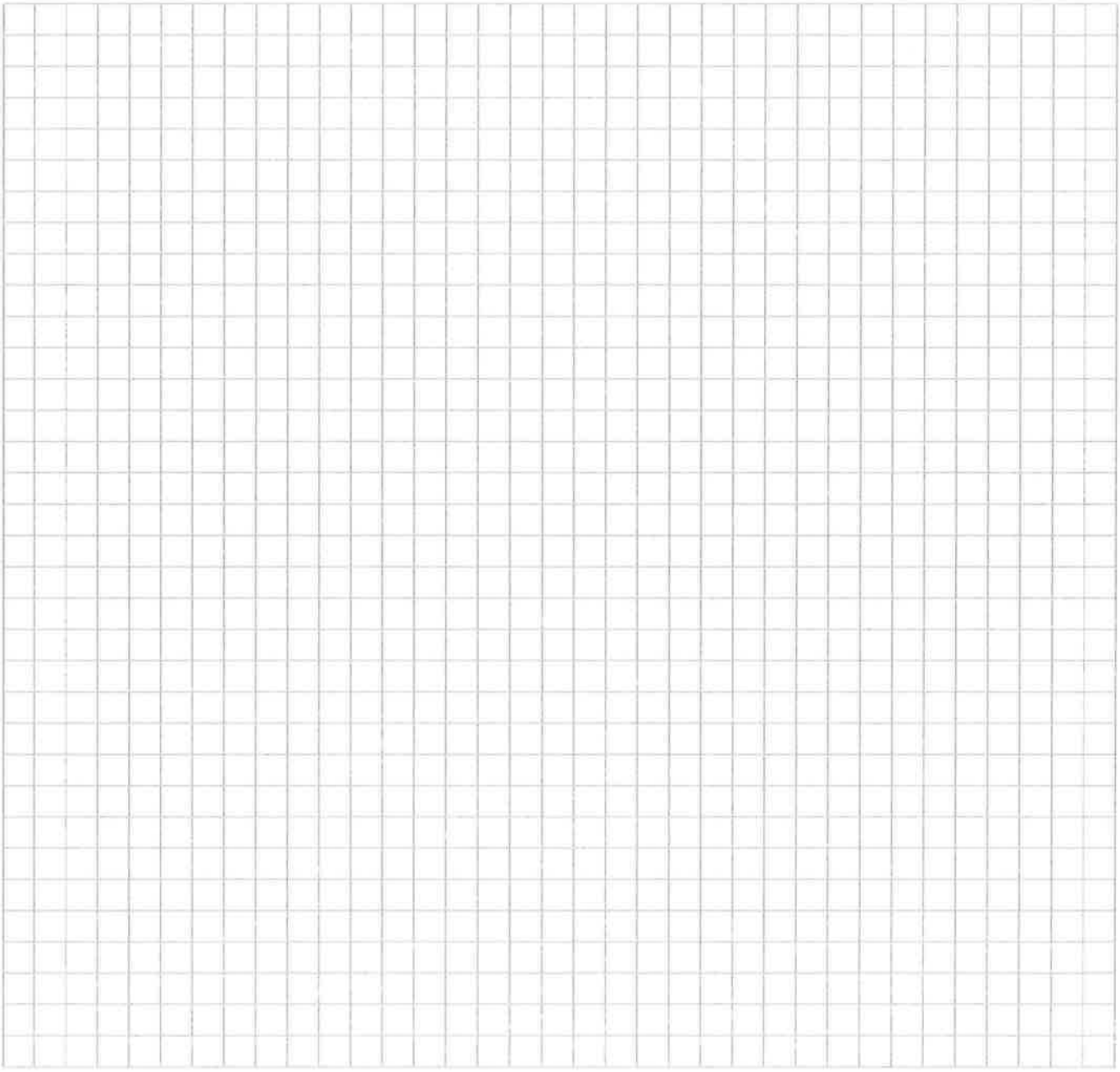
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

OSR – 3

SV-5 My Burger Bar

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name R. Stracle / T. Bohlen Date/Time Prepared 3/10/15

Preparer's Affiliation Consultant Phone No. 716-685-2300

Purpose of Investigation Real Estate Transaction

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors_____ Building age_____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

slight cracking, drains in floor, utilities

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Nat. Gas

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Air ducts are above drop ceiling

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally (Seldom) Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	
1st Floor	Vacant restaurant
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / ~~NA~~

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / ~~NA~~ Please specify_____

d. Has the building ever had a fire? Y / ~~N~~ When?_____

e. Is a kerosene or unvented gas space heater present? Y / ~~N~~ Where?_____

f. Is there a workshop or hobby/craft area? Y / ~~N~~ Where & Type? _____

g. Is there smoking in the building? Y / ~~N~~ How frequently? _____

h. Have cleaning products been used recently? Y / ~~N~~ When & Type? _____

i. Have cosmetic products been used recently? Y / ~~N~~ When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / (N) If yes, where vented? _____

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? (Y) / N
If yes, please describe: Grease from Fryers

Do any of the building occupants use solvents at work? Y / (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / (N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) — No
Yes, use dry-cleaning infrequently (monthly or less) — Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / (N) Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

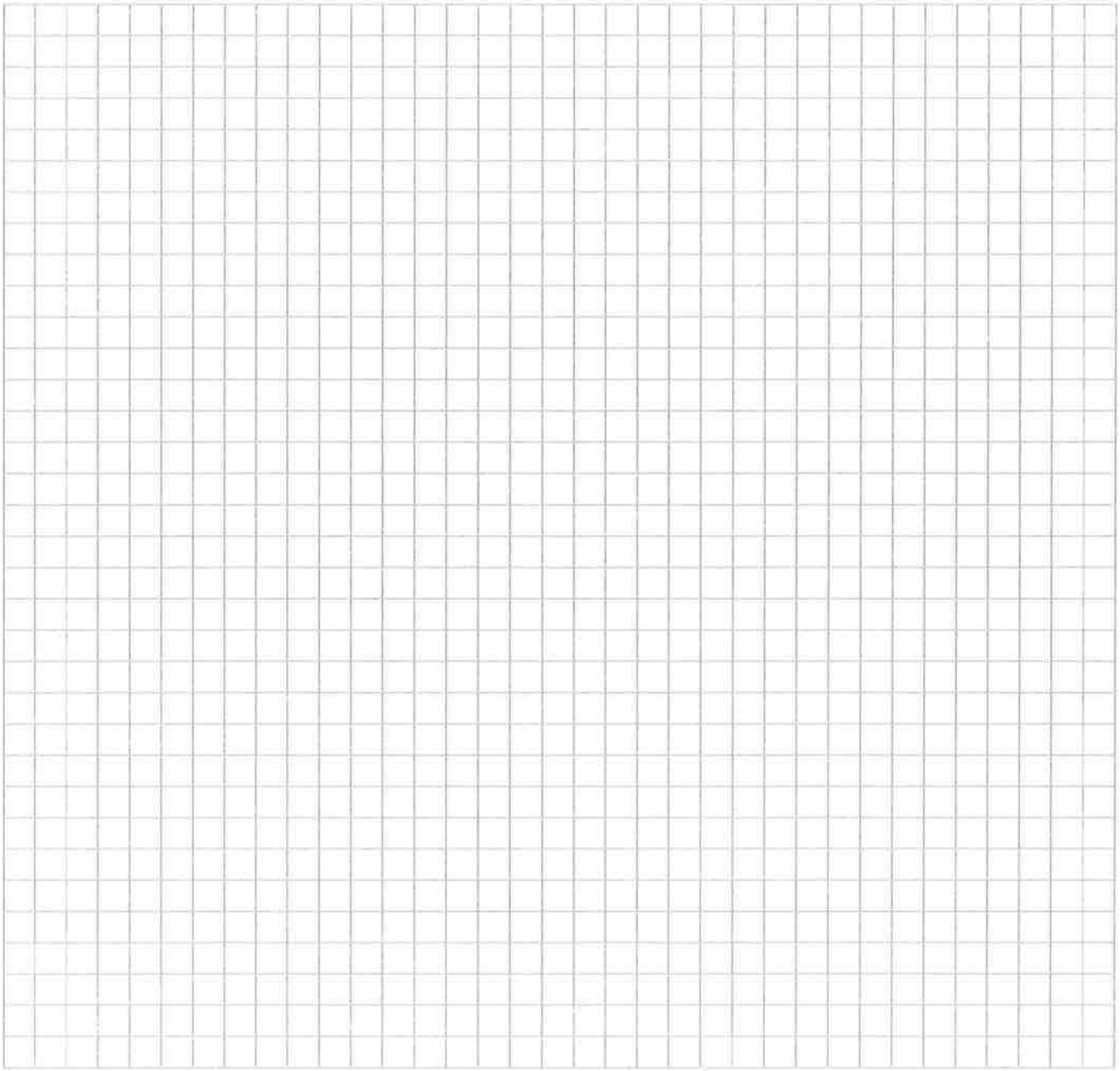
Basement:

First Floor:

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: Mini Rae 3000 11.7eV

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
	Paint	gal	U			
qty 2	Bio Rinse	5gal	U			
	Bleach	2qt				

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

OSR – 3

SV-6 Treats Unleashed

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name R. Strack / T. Bohley Date/Time Prepared 3/10/15

Preparer's Affiliation Consultant Phone No. 716-685-2300

Purpose of Investigation Real Estate Transaction

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	~~Commercial/Multi-use~~
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors_____ Building age_____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

slight cracking, drain ports, utilities

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Nat. gas

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Air ducts located above drop ceiling

7. OCCUPANCY

Is basement/lowest level occupied? (Full-time) Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	
1st Floor	Pet Food Store
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / ~~NA~~

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / ~~NA~~ Please specify_____

d. Has the building ever had a fire? Y / (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y / ~~N~~ Where?_____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type? _____

g. Is there smoking in the building? Y / (N) How frequently? _____

h. Have cleaning products been used recently? Y / (N) When & Type? _____

i. Have cosmetic products been used recently? Y / (N) When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? _____

m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / N If yes, where vented? _____

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / N
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service
No
Unknown

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

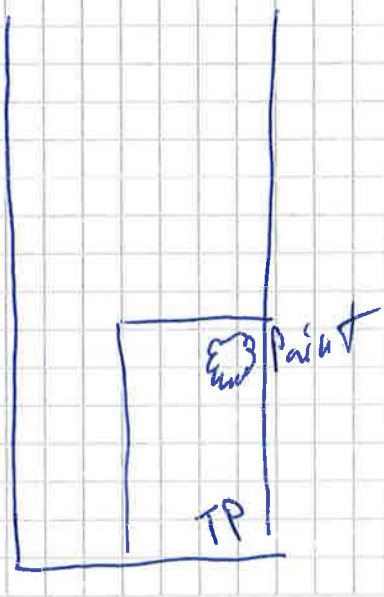
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

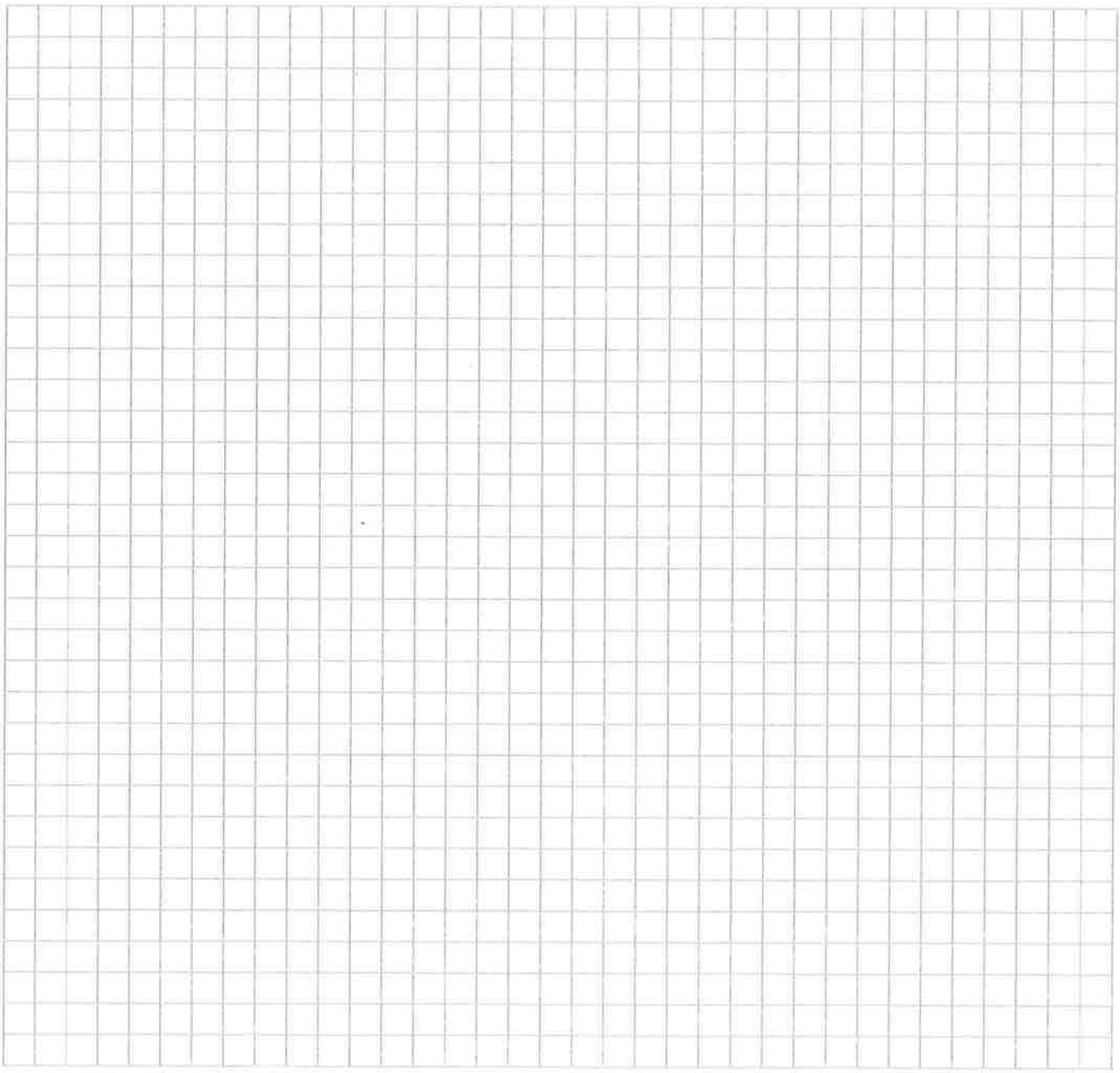
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: Mini Rae 3000 11.7 eV

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
qty 3	Paint	gal	U			
qty 2	Paint	5gal	U			
qty 6	Paint	qt	U			
	Thinner	qt	U	Mineral Spirits		

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

4/20/15 YB- on-Site @ Northtown Plaza @ 815 @ Total Automotive space to conduct vapor intrusion sampling

Coordinated sampling w/ tenant SE portion of Building ~~15'~~ N of SE corner in office,

OVM - MiniRAE 3000 w/ 11.7eV bulb - background in office = 0.5ppm

OVM - hole = 10.5 ppm peak concrete ~ 6" thick

Subslab He leak test - okay
- > 85% He concentration > 3min in enclosure
- < 2.3% He in subsurface

- Subslab sample =
~~TA~~ TA - SS - 042015
  - regulator: 301
  - canister: 95
  - start @ 9:26
  - start vacuum: > -30" Hg

- Indoor Air sample =
TA - IA - 042015
  - regulator = 1168
  - canister = 1186
  - start @ 929
  - start vacuum: -29" Hg

- Outdoor Air sample =
TA - OA - 042015
  - regulator = 1157
  - canister = 366
  - start @ 941
  - start vacuum = -27" Hg

emical Inventory Screen.

Office:
1@ 32 oz. Exterior Car Wash
2@ 8 oz. Brake Life Lubricant
0.0ppm.

ervice Desk Area: (0.0ppm bkgnd)
14 car batteries

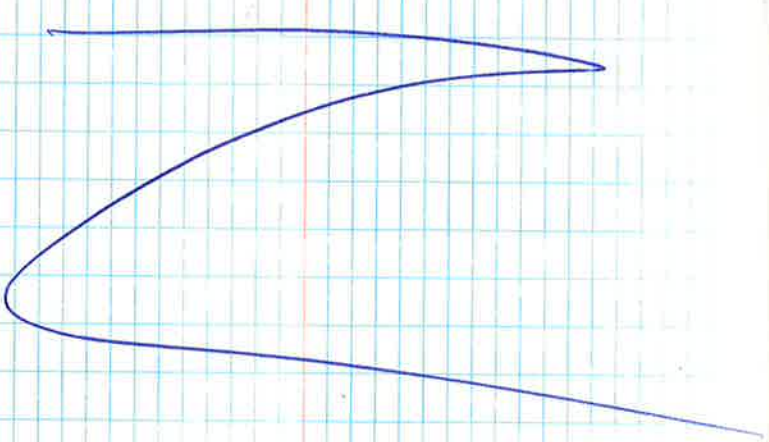
Storage Room North of office:
4 car batteries (0.1ppm bkgnd)

4 @ 1gal paint
4 @ 32 oz. paint
↳ 0.3 ppm @ lids

Multiple cases of motor oils, transmission fluids, sealants, cleaners, etc. - see pics

- TA-SS-042015
  - end vacuum @ -5" Hg
  - end time @ 16:34
- TA-IA-042015
  - end vacuum @ -6.5" Hg
  - end time @ 16:36
- TA-OA-042015
  - end vacuum @ -5" Hg
  - end time @ 16:30

- TB off site for UPS/GEA Office @ 16:50.



WELL DEVELOPMENT REPORT

WELL No. MW-4

Project Number:	Geologist: Patrick Finnerty	Ground El.:
Client: Northtown Associates LLC	Project Manager: Jim Richert	El. Datum:
Location (City, State): Amherst, New York	Development Date: 03/13/15	Stick-up
Contractor: Trak Environmental	Water Level: 17.51'	Flushmount
Driller:	Note: All water level measurements shall be from the top of the well riser.	

Depth to Water before Development (feet): 17.51'

Comments: Very low-yield; using bailer to purge well before moving to the low-flow sampling.

Depth to Bottom of Well prior to Development (feet): 19.28'

Comments:

Volume of Water to be removed (gallons):

Method of Well Development: Perstaltic pump & bailer

Comments: well went dry rapidly with pump, used bailer to ~~create~~ grab water afterwards

Type of Water Quality Meter (Make & Model):
YSI, FA01784

TIME	VOLUME (gal)	pH	Temperature (°C)	Conductivity (mS/cm)	Redox Potential (mV)	D.O. (mg/l)	Turbidity (NTUs)
1023	0	—	—	—	—	—	—
1025	<0.1	7.02	9.7	30.58	114.3	6.08	
1027	<0.1	—	—	—	—	—	
Well Dry						well dry	

Total Volume of Water Removed from Well (gallons):

Comments on Well Development: @1015 well purged with bailer for approximately 5 minutes to attempt measuring water recharge
- will allow well to recharge for a grab sample next week

WELL DEVELOPMENT REPORT

WELL No. MW-5

Project Number:	Geologist: Patrick Finnerty	Ground El.:
Client: Northtown Associates LLC	Project Manager: Jim Richert	El. Datum:
Location (City, State): Amherst, New York	Development Date: 03/13/15	Stick-up
Contractor: Trelc	Water Level: 13.65	Flushmount
Driller:	Note: All water level measurements shall be from the top of the well riser.	

Depth to Water before Development (feet): 13.65

Comments:

Depth to Bottom of Well prior to Development (feet): 17.86

Comments:

Volume of Water to be removed (gallons):

Method of Well Development: Bailer

Comments: did not have pump in working condition

Type of Water Quality Meter (Make & Model): N/A

TIME	VOLUME (gal)	pH	Temperature (°C)	Conductivity (mS/cm)	Redox Potential (mV)	D.O. (mg/l)	Turbidity (NTUs)
1112	<0.1	7.22	10.6	38.00	-93.6	3.59	—
1116	Depth TOC (ft):	14.5					
1117		14.44					
1122		14.4					
well dry						well dry	

Total Volume of Water Removed from Well (gallons): <0.1

Comments on Well Development: could not use peristaltic pump, used bailer to read one set of parameters
- well purged dry

WELL DEVELOPMENT REPORT

WELL No. MW-6

Project Number:	**Geologist: Patrick Finnerty**	**Ground El.:**
Client: Northtown Associates LLC	**Project Manager: Jim Richert**	**El. Datum:**
Location (City, State): Amherst, New York	**Development Date: 03/13/15**	**Stick-up**
Contractor: Tree	**Water Level:** 5.08	**Flushmount**
Driller:	Note: All water level measurements shall be from the top of the well riser.	

Depth to Water before Development (feet): 5.08

Comments:

Depth to Bottom of Well prior to Development (feet): 18.96

Comments:

Volume of Water to be removed (gallons):

Method of Well Development: Bailer

Comments: could not use peristaltic b/c pump was not in useable condition

Type of Water Quality Meter (Make & Model): N/A

TIME	VOLUME (gal)	pH	Temperature (°C)	Conductivity (mS/cm)	Redox Potential (mV)	D.O. (mg/l)	Turbidity (NTUs)
1304	<0.1	7.19	8.4	~~1773 µS~~ 3/13/15 5175	159.3	6.99	—
1334	0.1	—	—	—	—	—	—
1334	Water Depth: 9.21'						
1449	Water Depth 17.19						
well dry						well dry	

Total Volume of Water Removed from Well (gallons): 1.5 gal

Comments on Well Development: Well purged dry with bailer, did not have peristaltic pump to conduct low-flow sampling, used bailer to read one set of parameters

WELL DEVELOPMENT REPORT

WELL No. MW-7

Project Number:	Geologist: Patrick Finnerty	Ground El.:
Client: Northtown Associates LLC	Project Manager: Jim Richert	El. Datum:
Location (City, State): Amherst, New York	Development Date: 03/13/15	Stick-up
Contractor: Prol	Water Level: 13.04'	Flushmount
Driller:	Note: All water level measurements shall be from the top of the well riser.	

Depth to Water before Development (feet): 13.04'

Comments:

Depth to Bottom of Well prior to Development (feet): 17.83'

Comments:

Volume of Water to be removed (gallons):

Method of Well Development: Bailer

Comments: Will attempt to purge well dry, no peristaltic pump in working condition

Type of Water Quality Meter (Make & Model): N/A

TIME	VOLUME (gal)	pH	Temperature (°C)	Conductivity (mS/cm)	Redox Potential (mV)	D.O. (mg/l)	Turbidity (NTUs)
1157	<0.1	7.07	11.5	32.70	-30.1	6.70	—
well dry						well dry	

Total Volume of Water Removed from Well (gallons): <0.1 gal

Comments on Well Development: Well purged dry using bailer

WELL DEVELOPMENT REPORT

WELL No. MW-8

Project Number: 31.0056687.30 Task 9999	**Geologist:** D. Wulf	**Ground El.:** NA
Client: Northtown Associates, LLC	**Project Manager:** T. Bohlen	**El. Datum:** NA
Location (City, State): Amherst, New York	**Development Date:** 4/24/2015	**Stick-up** No
Contractor: Not present	**Water Level:**	**Flushmount** Yes
Driller: Not present	Note: All water level measurements shall be from the top of the well riser.	

Depth to Water before Development (feet): 12.20

Comments: Marked top of riser to designate monitoring point

Depth to Bottom of Well prior to Development (feet): 19.50

Comments: Well contains approximately **0.32 gallons**

Volume of Water to be removed (gallons): Will remove water until well runs dry

Method of Well Development: Geotech Peristaltic Pump with LDPE 0.17x1/4" Tubing, and micro bailer

Comments:

Type of Water Quality Meter (Make & Model): YSI ProDSS 4M with Flow-Through Cell

TIME	VOLUME (gal)	pH	Temperature (°C)	Conductivity (mS/cm)	Redox Potential (mV)	D.O. (mg/l)	Turbidity (NTUs)
1225	0.25	6.46	11.8	13.733	-98.8	6.58	34.1

Total Volume of Water Removed from Well (gallons): Well pumped dry at approximately **1.25 gallons**

Comments on Well Development: Trace amounts of sediment present during purging of well

WELL DEVELOPMENT REPORT

WELL No. MW-9

Project Number: 31.0056687.30 Task 9999	**Geologist:** D. Wulf	**Ground El.:** NA
Client: Northtown Associates, LLC	**Project Manager:** T. Bohlen	**El. Datum:** NA
Location (City, State): Amherst, New York	**Development Date:** 4/24/2015	**Stick-up** No
Contractor: Not present	**Water Level:**	**Flushmount** Yes
Driller: Not present	Note: All water level measurements shall be from the top of the well riser.	

Depth to Water before Development (feet): 7.41

Comments: Marked top of riser to designate monitoring point

Depth to Bottom of Well prior to Development (feet): 19.31

Comments: Well contains approximately **0.52 gallons**

Volume of Water to be removed (gallons): Remove water until well runs dry

Method of Well Development: Geotech Peristaltic Pump with LDPE 0.17x1/4" Tubing, and micro bailer

Comments:

Type of Water Quality Meter (Make & Model): YSI ProDSS 4M with Flow-Through Cell

TIME	VOLUME (gal)	pH	Temperature (°C)	Conductivity (mS/cm)	Redox Potential (mV)	D.O. (mg/l)	Turbidity (NTUs)
1230	0.25	6.55	10.0	14.53	25.7	6.14	627.6

Total Volume of Water Removed from Well (gallons): Well pumped dry at approximately **1.75 gallons**

Comments on Well Development: Some amounts of sediment present during purging of well

GZA GeoEnvironmental, Inc.
Proactive by Design

GROUNDWATER SAMPLING REPORT

Project Number: 31.0056687.30	Date (mmddyy): 04/27/2015	Well ID: MW-9
Client: Northtown Associates, LLC	Name (Printed): D. Wulf	Monitoring Well Diameter (in): 1 Inch
Location (City, State): Amherst, New York	Static Water Level (ft): 5.82	Total Well Depth (ft): 19.31

All measurements are to be taken from the reference point/notch on the top of the well riser.

Volume of water in well = Linear feet of water in well * Gallons per foot of depth

Well Diameter (ID) = Gallons per foot of depth: 1 = 0.044 2 = 0.163 4 = 0.653 6 = 1.469 8 = 2.611 10 = 4.080

Purging and Sampling Equipment (Check Applicable)			Water Quality Meter (Manufacturer & Model)
	Bailer:	Waterra Tubing	YSI ProDSS 4M with Flow-Through Cell
	Peristaltic Pump	Bladder Pump	
	Whale Pump	Other	

Condition of Monitoring Well

Is surface seal good?	NA	**Yes**	No
Is well cover intact?	NA	**Yes**	No
Is well cap present?	**NA**	Yes	No
Are bolts missing?	NA	Yes	**No**
Is well locked?	NA	Yes	**No**

Initial Water Level (ft):	5.82	Start Time:	9:15	Flow Rate (ml/min):	
Final Water Level (ft):	13.83	Stop Time:	10:40	Volume Purged (gal): 1.25	
Sampling Depth (ft)	15	Notes:			
Gas Pressure (psi)	NA				

Groundwater Stabilization Criteria:

Temperature: ± 3°C	DO: + / - 10% mg/l
pH: + / - 0.1 unit	ORP: + / - 10 mV
SC: + / - 3% mS/cm	Turdity: ± 10% nTu

TIME	ELAPSED TIME	DRAWDOWN (ft)	TEMPERATURE	pH	CONDUCTIVITY	DO	ORP	TURBIDITY
0930	15	0.28	9.2	6.46	12.001	3.31	195.8	4
0946	31	2.07	9.0	6.42	9.481	4.07	170.6	34.80
1010	55	4.61	9.2	6.45	9.401	3.38	169.7	79.90
1021	66	6.63	9.9	6.50	8.820	3.32	166.7	82.40
1031	76	8.01	10.4	6.56	9.136	3.38	169.1	85.6

Sampling Notes:

Sample ID: MW-9	Date & Time: 04/27/2015 10:40	Sampled By (Printed): Daniel Wulf
Sample Analysis: VOCs 8260, Chlorinated Compounds Only		Signature:
Analytical Laboratory (Name and Location): Paradigm Environmental Services, Inc. Rochester, New York		Chain of Custody Number: Not Available

GZA GeoEnvironmental, Inc.
Proactive by Design

GROUNDWATER SAMPLING REPORT

Project Number: 31.0056687.30	Date (mmddyy): 04/ 27 /2015	Well ID: MW-8
Client: Northtown Associates, LLC	Name (Printed): D. Wulf	Monitoring Well Diameter (in): 1 Inch
Location (City, State): Amherst, New York	Static Water Level (ft): 14.69	Total Well Depth (ft): 19.50

All measurements are to be taken from the reference point/notch on the top of the well riser.

Volume of water in well = Linear feet of water in well * Gallons per foot of depth

Well Diameter (ID) = Gallons per foot of depth: 1 = 0.044 2 = 0.163 4 = 0.653 6 = 1.469 8 = 2.611 10 = 4.080

Purging and Sampling Equipment (Check Applicable)			Water Quality Meter (Manufacturer & Model)
	Bailer:	Waterra Tubing	YSI ProDSS 4M with Flow-Through Cell
	Peristaltic Pump	Bladder Pump	
	Whale Pump	Other	

Condition of Monitoring Well

Is surface seal good?	NA	**Yes**	No
Is well cover intact?	NA	**Yes**	No
Is well cap present?	**NA**	Yes	No
Are bolts missing?	NA	Yes	**No**
Is well locked?	NA	Yes	**No**

Initial Water Level (ft):	14.69	Start Time:	1120	Flow Rate (ml/min):	
Final Water Level (ft):	Dry	Stop Time:	1200	Volume Purged (gal): 5/8	
Sampling Depth (ft)	18.50	Notes:			
Gas Pressure (psi)	NA				

Groundwater Stabilization Criteria:

Temperature: ± 3°C	DO: + / - 10% mg/l
pH: + / - 0.1 unit	ORP: + / - 10 mV
SC: + / - 3% mS/cm	Turdity: ± 10% nTu

TIME	ELAPSED TIME	DRAWDOWN (ft)	TEMPERATURE	pH	CONDUCTIVITY	DO	ORP	TURBIDITY
1127	7	1.21	11.1	6.69	10.76	3.69	-161.8	2.1
1143	23	4.04	11.2	6.78	10.83	2.65	-200.2	3.30
1152	32	4.11	11.5	6.77	10.37	3.90	-177.8	3.50
1200	40	4.09	11.6	6.74	10.34	4.85	-141.3	3.20

Sampling Notes:

Sample ID: MW-8	Date & Time: 04/27/2015 12:05	Sampled By (Printed): Daniel Wulf
Sample Analysis: VOCs 8260, Chlorinated Compounds Only		Signature:
Analytical Laboratory (Name and Location): Paradigm Environmental Services, Inc. Rochester, New York		Chain of Custody Number: Not Available

APPENDIX D

LABORATORY ANALYTICAL REPORTS

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-52 (8-9)		
Lab Sample ID:	150827-01	**Date Sampled:**	3/10/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 3.05	ug/Kg		3/17/2015 15:27
1,1,1-Trichloroethane	< 3.05	ug/Kg		3/17/2015 15:27
1,1,2,2-Tetrachloroethane	< 3.05	ug/Kg		3/17/2015 15:27
1,1,2-Trichloroethane	< 3.05	ug/Kg		3/17/2015 15:27
1,1-Dichloroethane	< 3.05	ug/Kg		3/17/2015 15:27
1,1-Dichloroethene	< 3.05	ug/Kg		3/17/2015 15:27
1,2-Dichlorobenzene	< 3.05	ug/Kg		3/17/2015 15:27
1,2-Dichloroethane	< 3.05	ug/Kg		3/17/2015 15:27
1,2-Dichloropropane	< 3.05	ug/Kg		3/17/2015 15:27
1,3-Dichlorobenzene	< 3.05	ug/Kg		3/17/2015 15:27
1,4-Dichlorobenzene	< 3.05	ug/Kg		3/17/2015 15:27
Bromodichloromethane	< 3.05	ug/Kg		3/17/2015 15:27
Bromoform	< 7.62	ug/Kg		3/17/2015 15:27
Bromomethane	< 3.05	ug/Kg		3/17/2015 15:27
Carbon Tetrachloride	< 3.05	ug/Kg		3/17/2015 15:27
Chlorobenzene	< 3.05	ug/Kg		3/17/2015 15:27
Chloroethane	< 3.05	ug/Kg		3/17/2015 15:27
Chloroform	< 3.05	ug/Kg		3/17/2015 15:27
Chloromethane	< 3.05	ug/Kg		3/17/2015 15:27
cis-1,2-Dichloroethene	**2.71**	ug/Kg	J	3/17/2015 15:27
cis-1,3-Dichloropropene	< 3.05	ug/Kg		3/17/2015 15:27
Dibromochloromethane	< 3.05	ug/Kg		3/17/2015 15:27
Methylene chloride	< 7.62	ug/Kg		3/17/2015 15:27
Tetrachloroethene	**28.5**	ug/Kg		3/17/2015 15:27
trans-1,2-Dichloroethene	< 3.05	ug/Kg		3/17/2015 15:27
trans-1,3-Dichloropropene	< 3.05	ug/Kg		3/17/2015 15:27
Trichloroethene	**1.81**	ug/Kg	J	3/17/2015 15:27

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-52 (8-9)
Lab Sample ID: 150827-01 **Date Sampled:** 3/10/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 3.05	ug/Kg	3/17/2015	15:27
Vinyl chloride	< 3.05	ug/Kg	3/17/2015	15:27

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**110**	81.1 - 124		3/17/2015	15:27
4-Bromofluorobenzene	**92.0**	89.2 - 109		3/17/2015	15:27
Pentafluorobenzene	**96.5**	92.2 - 109		3/17/2015	15:27
Toluene-D8	**95.6**	92.4 - 109		3/17/2015	15:27

Method Reference(s): EPA 8260C
EPA 5035
Data File: x20982.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-53 (7-8)		
Lab Sample ID:	150827-02	**Date Sampled:**	3/10/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 3.94	ug/Kg		3/17/2015 15:51
1,1,1-Trichloroethane	< 3.94	ug/Kg		3/17/2015 15:51
1,1,2,2-Tetrachloroethane	< 3.94	ug/Kg		3/17/2015 15:51
1,1,2-Trichloroethane	< 3.94	ug/Kg		3/17/2015 15:51
1,1-Dichloroethane	< 3.94	ug/Kg		3/17/2015 15:51
1,1-Dichloroethene	< 3.94	ug/Kg		3/17/2015 15:51
1,2-Dichlorobenzene	< 3.94	ug/Kg		3/17/2015 15:51
1,2-Dichloroethane	< 3.94	ug/Kg		3/17/2015 15:51
1,2-Dichloropropane	< 3.94	ug/Kg		3/17/2015 15:51
1,3-Dichlorobenzene	< 3.94	ug/Kg		3/17/2015 15:51
1,4-Dichlorobenzene	< 3.94	ug/Kg		3/17/2015 15:51
Bromodichloromethane	< 3.94	ug/Kg		3/17/2015 15:51
Bromoform	< 9.86	ug/Kg		3/17/2015 15:51
Bromomethane	< 3.94	ug/Kg		3/17/2015 15:51
Carbon Tetrachloride	< 3.94	ug/Kg		3/17/2015 15:51
Chlorobenzene	< 3.94	ug/Kg		3/17/2015 15:51
Chloroethane	< 3.94	ug/Kg		3/17/2015 15:51
Chloroform	< 3.94	ug/Kg		3/17/2015 15:51
Chloromethane	< 3.94	ug/Kg		3/17/2015 15:51
cis-1,2-Dichloroethene	< 3.94	ug/Kg		3/17/2015 15:51
cis-1,3-Dichloropropene	< 3.94	ug/Kg		3/17/2015 15:51
Dibromochloromethane	< 3.94	ug/Kg		3/17/2015 15:51
Methylene chloride	< 9.86	ug/Kg		3/17/2015 15:51
Tetrachloroethene	**55.9**	ug/Kg		3/17/2015 15:51
trans-1,2-Dichloroethene	< 3.94	ug/Kg		3/17/2015 15:51
trans-1,3-Dichloropropene	< 3.94	ug/Kg		3/17/2015 15:51
Trichloroethene	< 3.94	ug/Kg		3/17/2015 15:51

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-53 (7-8)
Lab Sample ID: 150827-02 **Date Sampled:** 3/10/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 3.94	ug/Kg			3/17/2015 15:51
Vinyl chloride	< 3.94	ug/Kg			3/17/2015 15:51

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**108**	81.1 - 124		3/17/2015 15:51
4-Bromofluorobenzene	**90.7**	89.2 - 109		3/17/2015 15:51
Pentafluorobenzene	**95.2**	92.2 - 109		3/17/2015 15:51
Toluene-D8	**95.4**	92.4 - 109		3/17/2015 15:51

Method Reference(s): EPA 8260C
EPA 5035
Data File: x20983.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-54 (15-16)		
Lab Sample ID:	150827-03	**Date Sampled:**	3/10/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 3170	ug/Kg		3/19/2015 21:48
1,1,1-Trichloroethane	< 3170	ug/Kg		3/19/2015 21:48
1,1,2,2-Tetrachloroethane	< 3170	ug/Kg		3/19/2015 21:48
1,1,2-Trichloroethane	< 3170	ug/Kg		3/19/2015 21:48
1,1-Dichloroethane	< 3170	ug/Kg		3/19/2015 21:48
1,1-Dichloroethene	< 3170	ug/Kg		3/19/2015 21:48
1,2-Dichlorobenzene	< 3170	ug/Kg		3/19/2015 21:48
1,2-Dichloroethane	< 3170	ug/Kg		3/19/2015 21:48
1,2-Dichloropropane	< 3170	ug/Kg		3/19/2015 21:48
1,3-Dichlorobenzene	< 3170	ug/Kg		3/19/2015 21:48
1,4-Dichlorobenzene	< 3170	ug/Kg		3/19/2015 21:48
Bromodichloromethane	< 3170	ug/Kg		3/19/2015 21:48
Bromoform	< 7930	ug/Kg		3/19/2015 21:48
Bromomethane	< 3170	ug/Kg		3/19/2015 21:48
Carbon Tetrachloride	< 3170	ug/Kg		3/19/2015 21:48
Chlorobenzene	< 3170	ug/Kg		3/19/2015 21:48
Chloroethane	< 3170	ug/Kg		3/19/2015 21:48
Chloroform	< 3170	ug/Kg		3/19/2015 21:48
Chloromethane	< 3170	ug/Kg		3/19/2015 21:48
cis-1,2-Dichloroethene	< 3170	ug/Kg		3/19/2015 21:48
cis-1,3-Dichloropropene	< 3170	ug/Kg		3/19/2015 21:48
Dibromochloromethane	< 3170	ug/Kg		3/19/2015 21:48
Methylene chloride	< 7930	ug/Kg		3/19/2015 21:48
Tetrachloroethene	**56600**	ug/Kg		3/19/2015 21:48
trans-1,2-Dichloroethene	< 3170	ug/Kg		3/19/2015 21:48
trans-1,3-Dichloropropene	< 3170	ug/Kg		3/19/2015 21:48
Trichloroethene	< 3170	ug/Kg		3/19/2015 21:48

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-54 (15-16)
Lab Sample ID: 150827-03 **Date Sampled:** 3/10/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 3170	ug/Kg	3/19/2015	21:48
Vinyl chloride	< 3170	ug/Kg	3/19/2015	21:48

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**98.3**	81.1 - 124		3/19/2015 21:48
4-Bromofluorobenzene	**102**	89.2 - 109		3/19/2015 21:48
Pentafluorobenzene	**102**	92.2 - 109		3/19/2015 21:48
Toluene-D8	**98.2**	92.4 - 109		3/19/2015 21:48

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21109.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-54 (8-9)		
Lab Sample ID:	150827-04	**Date Sampled:**	3/10/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 95.8	ug/Kg		3/20/2015 23:53
1,1,1-Trichloroethane	< 95.8	ug/Kg		3/20/2015 23:53
1,1,2,2-Tetrachloroethane	< 95.8	ug/Kg		3/20/2015 23:53
1,1,2-Trichloroethane	< 95.8	ug/Kg		3/20/2015 23:53
1,1-Dichloroethane	< 95.8	ug/Kg		3/20/2015 23:53
1,1-Dichloroethene	< 95.8	ug/Kg		3/20/2015 23:53
1,2-Dichlorobenzene	< 95.8	ug/Kg		3/20/2015 23:53
1,2-Dichloroethane	< 95.8	ug/Kg		3/20/2015 23:53
1,2-Dichloropropane	< 95.8	ug/Kg		3/20/2015 23:53
1,3-Dichlorobenzene	< 95.8	ug/Kg		3/20/2015 23:53
1,4-Dichlorobenzene	< 95.8	ug/Kg		3/20/2015 23:53
Bromodichloromethane	< 95.8	ug/Kg		3/20/2015 23:53
Bromoform	< 239	ug/Kg		3/20/2015 23:53
Bromomethane	< 95.8	ug/Kg		3/20/2015 23:53
Carbon Tetrachloride	< 95.8	ug/Kg		3/20/2015 23:53
Chlorobenzene	< 95.8	ug/Kg		3/20/2015 23:53
Chloroethane	< 95.8	ug/Kg		3/20/2015 23:53
Chloroform	< 95.8	ug/Kg		3/20/2015 23:53
Chloromethane	< 95.8	ug/Kg		3/20/2015 23:53
cis-1,2-Dichloroethene	< 95.8	ug/Kg		3/20/2015 23:53
cis-1,3-Dichloropropene	< 95.8	ug/Kg		3/20/2015 23:53
Dibromochloromethane	< 95.8	ug/Kg		3/20/2015 23:53
Methylene chloride	< 239	ug/Kg		3/20/2015 23:53
Tetrachloroethene	**4010**	ug/Kg		3/20/2015 23:53
trans-1,2-Dichloroethene	< 95.8	ug/Kg		3/20/2015 23:53
trans-1,3-Dichloropropene	< 95.8	ug/Kg		3/20/2015 23:53
Trichloroethene	< 95.8	ug/Kg		3/20/2015 23:53

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-54 (8-9)
Lab Sample ID: 150827-04 **Date Sampled:** 3/10/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 95.8	ug/Kg	3/20/2015	23:53
Vinyl chloride	< 95.8	ug/Kg	3/20/2015	23:53

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**107**	81.1 - 124		3/20/2015	23:53
4-Bromofluorobenzene	**92.3**	89.2 - 109		3/20/2015	23:53
Pentafluorobenzene	**96.6**	92.2 - 109		3/20/2015	23:53
Toluene-D8	**97.4**	92.4 - 109		3/20/2015	23:53

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21178.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-55 (10-11)		
Lab Sample ID:	150827-05	**Date Sampled:**	3/11/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 101	ug/Kg		3/21/2015 00:17
1,1,1-Trichloroethane	< 101	ug/Kg		3/21/2015 00:17
1,1,2,2-Tetrachloroethane	< 101	ug/Kg		3/21/2015 00:17
1,1,2-Trichloroethane	< 101	ug/Kg		3/21/2015 00:17
1,1-Dichloroethane	< 101	ug/Kg		3/21/2015 00:17
1,1-Dichloroethene	< 101	ug/Kg		3/21/2015 00:17
1,2-Dichlorobenzene	< 101	ug/Kg		3/21/2015 00:17
1,2-Dichloroethane	< 101	ug/Kg		3/21/2015 00:17
1,2-Dichloropropane	< 101	ug/Kg		3/21/2015 00:17
1,3-Dichlorobenzene	< 101	ug/Kg		3/21/2015 00:17
1,4-Dichlorobenzene	< 101	ug/Kg		3/21/2015 00:17
Bromodichloromethane	< 101	ug/Kg		3/21/2015 00:17
Bromoform	< 254	ug/Kg		3/21/2015 00:17
Bromomethane	< 101	ug/Kg		3/21/2015 00:17
Carbon Tetrachloride	< 101	ug/Kg		3/21/2015 00:17
Chlorobenzene	< 101	ug/Kg		3/21/2015 00:17
Chloroethane	< 101	ug/Kg		3/21/2015 00:17
Chloroform	< 101	ug/Kg		3/21/2015 00:17
Chloromethane	< 101	ug/Kg		3/21/2015 00:17
cis-1,2-Dichloroethene	< 101	ug/Kg		3/21/2015 00:17
cis-1,3-Dichloropropene	< 101	ug/Kg		3/21/2015 00:17
Dibromochloromethane	< 101	ug/Kg		3/21/2015 00:17
Methylene chloride	< 254	ug/Kg		3/21/2015 00:17
Tetrachloroethene	**1830**	ug/Kg		3/21/2015 00:17
trans-1,2-Dichloroethene	< 101	ug/Kg		3/21/2015 00:17
trans-1,3-Dichloropropene	< 101	ug/Kg		3/21/2015 00:17
Trichloroethene	< 101	ug/Kg		3/21/2015 00:17

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-55 (10-11)
Lab Sample ID: 150827-05 **Date Sampled:** 3/11/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 101	ug/Kg			3/21/2015 00:17
Vinyl chloride	< 101	ug/Kg			3/21/2015 00:17

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**105**	81.1 - 124		3/21/2015 00:17
4-Bromofluorobenzene	**91.8**	89.2 - 109		3/21/2015 00:17
Pentafluorobenzene	**95.1**	92.2 - 109		3/21/2015 00:17
Toluene-D8	**98.3**	92.4 - 109		3/21/2015 00:17

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21179.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-56 (14-15)		
Lab Sample ID:	150827-06	**Date Sampled:**	3/11/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 7850	ug/Kg		3/20/2015 15:32
1,1,1-Trichloroethane	< 7850	ug/Kg		3/20/2015 15:32
1,1,2,2-Tetrachloroethane	< 7850	ug/Kg		3/20/2015 15:32
1,1,2-Trichloroethane	< 7850	ug/Kg		3/20/2015 15:32
1,1-Dichloroethane	< 7850	ug/Kg		3/20/2015 15:32
1,1-Dichloroethene	< 7850	ug/Kg		3/20/2015 15:32
1,2-Dichlorobenzene	< 7850	ug/Kg		3/20/2015 15:32
1,2-Dichloroethane	< 7850	ug/Kg		3/20/2015 15:32
1,2-Dichloropropane	< 7850	ug/Kg		3/20/2015 15:32
1,3-Dichlorobenzene	< 7850	ug/Kg		3/20/2015 15:32
1,4-Dichlorobenzene	< 7850	ug/Kg		3/20/2015 15:32
Bromodichloromethane	< 7850	ug/Kg		3/20/2015 15:32
Bromoform	< 19600	ug/Kg		3/20/2015 15:32
Bromomethane	< 7850	ug/Kg		3/20/2015 15:32
Carbon Tetrachloride	< 7850	ug/Kg		3/20/2015 15:32
Chlorobenzene	< 7850	ug/Kg		3/20/2015 15:32
Chloroethane	< 7850	ug/Kg		3/20/2015 15:32
Chloroform	< 7850	ug/Kg		3/20/2015 15:32
Chloromethane	< 7850	ug/Kg		3/20/2015 15:32
cis-1,2-Dichloroethene	< 7850	ug/Kg		3/20/2015 15:32
cis-1,3-Dichloropropene	< 7850	ug/Kg		3/20/2015 15:32
Dibromochloromethane	< 7850	ug/Kg		3/20/2015 15:32
Methylene chloride	< 19600	ug/Kg		3/20/2015 15:32
Tetrachloroethene	**458000**	ug/Kg		3/20/2015 15:32
trans-1,2-Dichloroethene	< 7850	ug/Kg		3/20/2015 15:32
trans-1,3-Dichloropropene	< 7850	ug/Kg		3/20/2015 15:32
Trichloroethene	< 7850	ug/Kg		3/20/2015 15:32

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-56 (14-15)
Lab Sample ID: 150827-06 **Date Sampled:** 3/11/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 7850	ug/Kg			3/20/2015 15:32
Vinyl chloride	< 7850	ug/Kg			3/20/2015 15:32

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**106**	81.1 - 124		3/20/2015 15:32
4-Bromofluorobenzene	**98.8**	89.2 - 109		3/20/2015 15:32
Pentafluorobenzene	**100**	92.2 - 109		3/20/2015 15:32
Toluene-D8	**96.7**	92.4 - 109		3/20/2015 15:32

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21157.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-57 (12-13)		
Lab Sample ID:	150827-07	**Date Sampled:**	3/11/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 805	ug/Kg		3/19/2015 22:35
1,1,1-Trichloroethane	< 805	ug/Kg		3/19/2015 22:35
1,1,2,2-Tetrachloroethane	< 805	ug/Kg		3/19/2015 22:35
1,1,2-Trichloroethane	< 805	ug/Kg		3/19/2015 22:35
1,1-Dichloroethane	< 805	ug/Kg		3/19/2015 22:35
1,1-Dichloroethene	< 805	ug/Kg		3/19/2015 22:35
1,2-Dichlorobenzene	< 805	ug/Kg		3/19/2015 22:35
1,2-Dichloroethane	< 805	ug/Kg		3/19/2015 22:35
1,2-Dichloropropane	< 805	ug/Kg		3/19/2015 22:35
1,3-Dichlorobenzene	< 805	ug/Kg		3/19/2015 22:35
1,4-Dichlorobenzene	< 805	ug/Kg		3/19/2015 22:35
Bromodichloromethane	< 805	ug/Kg		3/19/2015 22:35
Bromoform	< 2010	ug/Kg		3/19/2015 22:35
Bromomethane	< 805	ug/Kg		3/19/2015 22:35
Carbon Tetrachloride	< 805	ug/Kg		3/19/2015 22:35
Chlorobenzene	< 805	ug/Kg		3/19/2015 22:35
Chloroethane	< 805	ug/Kg		3/19/2015 22:35
Chloroform	< 805	ug/Kg		3/19/2015 22:35
Chloromethane	< 805	ug/Kg		3/19/2015 22:35
cis-1,2-Dichloroethene	< 805	ug/Kg		3/19/2015 22:35
cis-1,3-Dichloropropene	< 805	ug/Kg		3/19/2015 22:35
Dibromochloromethane	< 805	ug/Kg		3/19/2015 22:35
Methylene chloride	< 2010	ug/Kg		3/19/2015 22:35
Tetrachloroethene	**9570**	ug/Kg		3/19/2015 22:35
trans-1,2-Dichloroethene	< 805	ug/Kg		3/19/2015 22:35
trans-1,3-Dichloropropene	< 805	ug/Kg		3/19/2015 22:35
Trichloroethene	< 805	ug/Kg		3/19/2015 22:35

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-57 (12-13)
Lab Sample ID: 150827-07 **Date Sampled:** 3/11/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 805	ug/Kg	3/19/2015	22:35
Vinyl chloride	< 805	ug/Kg	3/19/2015	22:35

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**98.5**	81.1 - 124		3/19/2015	22:35
4-Bromofluorobenzene	**93.7**	89.2 - 109		3/19/2015	22:35
Pentafluorobenzene	**102**	92.2 - 109		3/19/2015	22:35
Toluene-D8	**100**	92.4 - 109		3/19/2015	22:35

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21111.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-58 (11-12)		
Lab Sample ID:	150827-08	**Date Sampled:**	3/11/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 833	ug/Kg		3/19/2015 22:58
1,1,1-Trichloroethane	< 833	ug/Kg		3/19/2015 22:58
1,1,2,2-Tetrachloroethane	< 833	ug/Kg		3/19/2015 22:58
1,1,2-Trichloroethane	< 833	ug/Kg		3/19/2015 22:58
1,1-Dichloroethane	< 833	ug/Kg		3/19/2015 22:58
1,1-Dichloroethene	< 833	ug/Kg		3/19/2015 22:58
1,2-Dichlorobenzene	< 833	ug/Kg		3/19/2015 22:58
1,2-Dichloroethane	< 833	ug/Kg		3/19/2015 22:58
1,2-Dichloropropane	< 833	ug/Kg		3/19/2015 22:58
1,3-Dichlorobenzene	< 833	ug/Kg		3/19/2015 22:58
1,4-Dichlorobenzene	< 833	ug/Kg		3/19/2015 22:58
Bromodichloromethane	< 833	ug/Kg		3/19/2015 22:58
Bromoform	< 2080	ug/Kg		3/19/2015 22:58
Bromomethane	< 833	ug/Kg		3/19/2015 22:58
Carbon Tetrachloride	< 833	ug/Kg		3/19/2015 22:58
Chlorobenzene	< 833	ug/Kg		3/19/2015 22:58
Chloroethane	< 833	ug/Kg		3/19/2015 22:58
Chloroform	< 833	ug/Kg		3/19/2015 22:58
Chloromethane	< 833	ug/Kg		3/19/2015 22:58
cis-1,2-Dichloroethene	< 833	ug/Kg		3/19/2015 22:58
cis-1,3-Dichloropropene	< 833	ug/Kg		3/19/2015 22:58
Dibromochloromethane	< 833	ug/Kg		3/19/2015 22:58
Methylene chloride	< 2080	ug/Kg		3/19/2015 22:58
Tetrachloroethene	**24400**	ug/Kg		3/19/2015 22:58
trans-1,2-Dichloroethene	< 833	ug/Kg		3/19/2015 22:58
trans-1,3-Dichloropropene	< 833	ug/Kg		3/19/2015 22:58
Trichloroethene	< 833	ug/Kg		3/19/2015 22:58

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-58 (11-12)
Lab Sample ID: 150827-08 **Date Sampled:** 3/11/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 833	ug/Kg	3/19/2015	22:58
Vinyl chloride	< 833	ug/Kg	3/19/2015	22:58

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**99.1**	81.1 - 124		3/19/2015	22:58
4-Bromofluorobenzene	**94.3**	89.2 - 109		3/19/2015	22:58
Pentafluorobenzene	**103**	92.2 - 109		3/19/2015	22:58
Toluene-D8	**101**	92.4 - 109		3/19/2015	22:58

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21112.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-59 (13-14)		
Lab Sample ID:	150827-09	**Date Sampled:**	3/11/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 2830	ug/Kg		3/20/2015 15:55
1,1,1-Trichloroethane	< 2830	ug/Kg		3/20/2015 15:55
1,1,2,2-Tetrachloroethane	< 2830	ug/Kg		3/20/2015 15:55
1,1,2-Trichloroethane	< 2830	ug/Kg		3/20/2015 15:55
1,1-Dichloroethane	< 2830	ug/Kg		3/20/2015 15:55
1,1-Dichloroethene	< 2830	ug/Kg		3/20/2015 15:55
1,2-Dichlorobenzene	< 2830	ug/Kg		3/20/2015 15:55
1,2-Dichloroethane	< 2830	ug/Kg		3/20/2015 15:55
1,2-Dichloropropane	< 2830	ug/Kg		3/20/2015 15:55
1,3-Dichlorobenzene	< 2830	ug/Kg		3/20/2015 15:55
1,4-Dichlorobenzene	< 2830	ug/Kg		3/20/2015 15:55
Bromodichloromethane	< 2830	ug/Kg		3/20/2015 15:55
Bromoform	< 7080	ug/Kg		3/20/2015 15:55
Bromomethane	< 2830	ug/Kg		3/20/2015 15:55
Carbon Tetrachloride	< 2830	ug/Kg		3/20/2015 15:55
Chlorobenzene	< 2830	ug/Kg		3/20/2015 15:55
Chloroethane	< 2830	ug/Kg		3/20/2015 15:55
Chloroform	< 2830	ug/Kg		3/20/2015 15:55
Chloromethane	< 2830	ug/Kg		3/20/2015 15:55
cis-1,2-Dichloroethene	< 2830	ug/Kg		3/20/2015 15:55
cis-1,3-Dichloropropene	< 2830	ug/Kg		3/20/2015 15:55
Dibromochloromethane	< 2830	ug/Kg		3/20/2015 15:55
Methylene chloride	< 7080	ug/Kg		3/20/2015 15:55
Tetrachloroethene	**105000**	ug/Kg		3/20/2015 15:55
trans-1,2-Dichloroethene	< 2830	ug/Kg		3/20/2015 15:55
trans-1,3-Dichloropropene	< 2830	ug/Kg		3/20/2015 15:55
Trichloroethene	< 2830	ug/Kg		3/20/2015 15:55

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-59 (13-14)
Lab Sample ID: 150827-09 **Date Sampled:** 3/11/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 2830	ug/Kg			3/20/2015 15:55
Vinyl chloride	< 2830	ug/Kg			3/20/2015 15:55

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**103**	81.1 - 124		3/20/2015 15:55
4-Bromofluorobenzene	**94.2**	89.2 - 109		3/20/2015 15:55
Pentafluorobenzene	**99.3**	92.2 - 109		3/20/2015 15:55
Toluene-D8	**98.4**	92.4 - 109		3/20/2015 15:55

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21158.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-59 (20-21)		
Lab Sample ID:	150827-10	**Date Sampled:**	3/11/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 2430	ug/Kg		3/20/2015 16:19
1,1,1-Trichloroethane	< 2430	ug/Kg		3/20/2015 16:19
1,1,2,2-Tetrachloroethane	< 2430	ug/Kg		3/20/2015 16:19
1,1,2-Trichloroethane	< 2430	ug/Kg		3/20/2015 16:19
1,1-Dichloroethane	< 2430	ug/Kg		3/20/2015 16:19
1,1-Dichloroethene	< 2430	ug/Kg		3/20/2015 16:19
1,2-Dichlorobenzene	< 2430	ug/Kg		3/20/2015 16:19
1,2-Dichloroethane	< 2430	ug/Kg		3/20/2015 16:19
1,2-Dichloropropane	< 2430	ug/Kg		3/20/2015 16:19
1,3-Dichlorobenzene	< 2430	ug/Kg		3/20/2015 16:19
1,4-Dichlorobenzene	< 2430	ug/Kg		3/20/2015 16:19
Bromodichloromethane	< 2430	ug/Kg		3/20/2015 16:19
Bromoform	< 6090	ug/Kg		3/20/2015 16:19
Bromomethane	< 2430	ug/Kg		3/20/2015 16:19
Carbon Tetrachloride	< 2430	ug/Kg		3/20/2015 16:19
Chlorobenzene	< 2430	ug/Kg		3/20/2015 16:19
Chloroethane	< 2430	ug/Kg		3/20/2015 16:19
Chloroform	< 2430	ug/Kg		3/20/2015 16:19
Chloromethane	< 2430	ug/Kg		3/20/2015 16:19
cis-1,2-Dichloroethene	< 2430	ug/Kg		3/20/2015 16:19
cis-1,3-Dichloropropene	< 2430	ug/Kg		3/20/2015 16:19
Dibromochloromethane	< 2430	ug/Kg		3/20/2015 16:19
Methylene chloride	< 6090	ug/Kg		3/20/2015 16:19
Tetrachloroethene	**82600**	ug/Kg		3/20/2015 16:19
trans-1,2-Dichloroethene	< 2430	ug/Kg		3/20/2015 16:19
trans-1,3-Dichloropropene	< 2430	ug/Kg		3/20/2015 16:19
Trichloroethene	< 2430	ug/Kg		3/20/2015 16:19

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-59 (20-21)
Lab Sample ID: 150827-10 **Date Sampled:** 3/11/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 2430	ug/Kg			3/20/2015 16:19
Vinyl chloride	< 2430	ug/Kg			3/20/2015 16:19

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**104**	81.1 - 124		3/20/2015 16:19
4-Bromofluorobenzene	**95.8**	89.2 - 109		3/20/2015 16:19
Pentafluorobenzene	**99.4**	92.2 - 109		3/20/2015 16:19
Toluene-D8	**97.6**	92.4 - 109		3/20/2015 16:19

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21159.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-60 (5-6)		
Lab Sample ID:	150827-11	**Date Sampled:**	3/12/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 4.86	ug/Kg		3/21/2015 00:42
1,1,1-Trichloroethane	< 4.86	ug/Kg		3/21/2015 00:42
1,1,2,2-Tetrachloroethane	< 4.86	ug/Kg		3/21/2015 00:42
1,1,2-Trichloroethane	< 4.86	ug/Kg		3/21/2015 00:42
1,1-Dichloroethane	< 4.86	ug/Kg		3/21/2015 00:42
1,1-Dichloroethene	< 4.86	ug/Kg		3/21/2015 00:42
1,2-Dichlorobenzene	< 4.86	ug/Kg		3/21/2015 00:42
1,2-Dichloroethane	< 4.86	ug/Kg		3/21/2015 00:42
1,2-Dichloropropane	< 4.86	ug/Kg		3/21/2015 00:42
1,3-Dichlorobenzene	< 4.86	ug/Kg		3/21/2015 00:42
1,4-Dichlorobenzene	< 4.86	ug/Kg		3/21/2015 00:42
Bromodichloromethane	< 4.86	ug/Kg		3/21/2015 00:42
Bromoform	< 12.1	ug/Kg		3/21/2015 00:42
Bromomethane	< 4.86	ug/Kg		3/21/2015 00:42
Carbon Tetrachloride	< 4.86	ug/Kg		3/21/2015 00:42
Chlorobenzene	< 4.86	ug/Kg		3/21/2015 00:42
Chloroethane	< 4.86	ug/Kg		3/21/2015 00:42
Chloroform	< 4.86	ug/Kg		3/21/2015 00:42
Chloromethane	< 4.86	ug/Kg		3/21/2015 00:42
cis-1,2-Dichloroethene	**29.6**	ug/Kg		3/21/2015 00:42
cis-1,3-Dichloropropene	< 4.86	ug/Kg		3/21/2015 00:42
Dibromochloromethane	< 4.86	ug/Kg		3/21/2015 00:42
Methylene chloride	< 12.1	ug/Kg		3/21/2015 00:42
Tetrachloroethene	**25.9**	ug/Kg		3/21/2015 00:42
trans-1,2-Dichloroethene	< 4.86	ug/Kg		3/21/2015 00:42
trans-1,3-Dichloropropene	< 4.86	ug/Kg		3/21/2015 00:42
Trichloroethene	< 4.86	ug/Kg		3/21/2015 00:42

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-60 (5-6)
Lab Sample ID: 150827-11 **Date Sampled:** 3/12/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 4.86	ug/Kg	3/21/2015	00:42
Vinyl chloride	< 4.86	ug/Kg	3/21/2015	00:42

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**104**	81.1 - 124		3/21/2015	00:42
4-Bromofluorobenzene	**97.7**	89.2 - 109		3/21/2015	00:42
Pentafluorobenzene	**93.8**	92.2 - 109		3/21/2015	00:42
Toluene-D8	**99.7**	92.4 - 109		3/21/2015	00:42

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21180.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-61 (7-8)		
Lab Sample ID:	150827-12	**Date Sampled:**	3/12/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 18.8	ug/Kg		3/21/2015 01:06
1,1,1-Trichloroethane	< 18.8	ug/Kg		3/21/2015 01:06
1,1,2,2-Tetrachloroethane	< 18.8	ug/Kg		3/21/2015 01:06
1,1,2-Trichloroethane	< 18.8	ug/Kg		3/21/2015 01:06
1,1-Dichloroethane	< 18.8	ug/Kg		3/21/2015 01:06
1,1-Dichloroethene	< 18.8	ug/Kg		3/21/2015 01:06
1,2-Dichlorobenzene	< 18.8	ug/Kg		3/21/2015 01:06
1,2-Dichloroethane	< 18.8	ug/Kg		3/21/2015 01:06
1,2-Dichloropropane	< 18.8	ug/Kg		3/21/2015 01:06
1,3-Dichlorobenzene	< 18.8	ug/Kg		3/21/2015 01:06
1,4-Dichlorobenzene	< 18.8	ug/Kg		3/21/2015 01:06
Bromodichloromethane	< 18.8	ug/Kg		3/21/2015 01:06
Bromoform	< 47.1	ug/Kg		3/21/2015 01:06
Bromomethane	< 18.8	ug/Kg		3/21/2015 01:06
Carbon Tetrachloride	< 18.8	ug/Kg		3/21/2015 01:06
Chlorobenzene	< 18.8	ug/Kg		3/21/2015 01:06
Chloroethane	< 18.8	ug/Kg		3/21/2015 01:06
Chloroform	< 18.8	ug/Kg		3/21/2015 01:06
Chloromethane	< 18.8	ug/Kg		3/21/2015 01:06
cis-1,2-Dichloroethene	< 18.8	ug/Kg		3/21/2015 01:06
cis-1,3-Dichloropropene	< 18.8	ug/Kg		3/21/2015 01:06
Dibromochloromethane	< 18.8	ug/Kg		3/21/2015 01:06
Methylene chloride	< 47.1	ug/Kg		3/21/2015 01:06
Tetrachloroethene	**837**	ug/Kg		3/21/2015 01:06
trans-1,2-Dichloroethene	< 18.8	ug/Kg		3/21/2015 01:06
trans-1,3-Dichloropropene	< 18.8	ug/Kg		3/21/2015 01:06
Trichloroethene	**30.0**	ug/Kg		3/21/2015 01:06

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-61 (7-8)
Lab Sample ID: 150827-12 **Date Sampled:** 3/12/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 18.8	ug/Kg			3/21/2015 01:06
Vinyl chloride	< 18.8	ug/Kg			3/21/2015 01:06

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**109**	81.1 - 124		3/21/2015 01:06
4-Bromofluorobenzene	**100**	89.2 - 109		3/21/2015 01:06
Pentafluorobenzene	**98.0**	92.2 - 109		3/21/2015 01:06
Toluene-D8	**99.6**	92.4 - 109		3/21/2015 01:06

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21181.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-61 (19-20)		
Lab Sample ID:	150827-13	**Date Sampled:**	3/12/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 1960	ug/Kg		3/20/2015 16:43
1,1,1-Trichloroethane	< 1960	ug/Kg		3/20/2015 16:43
1,1,2,2-Tetrachloroethane	< 1960	ug/Kg		3/20/2015 16:43
1,1,2-Trichloroethane	< 1960	ug/Kg		3/20/2015 16:43
1,1-Dichloroethane	< 1960	ug/Kg		3/20/2015 16:43
1,1-Dichloroethene	< 1960	ug/Kg		3/20/2015 16:43
1,2-Dichlorobenzene	< 1960	ug/Kg		3/20/2015 16:43
1,2-Dichloroethane	< 1960	ug/Kg		3/20/2015 16:43
1,2-Dichloropropane	< 1960	ug/Kg		3/20/2015 16:43
1,3-Dichlorobenzene	< 1960	ug/Kg		3/20/2015 16:43
1,4-Dichlorobenzene	< 1960	ug/Kg		3/20/2015 16:43
Bromodichloromethane	< 1960	ug/Kg		3/20/2015 16:43
Bromoform	< 4900	ug/Kg		3/20/2015 16:43
Bromomethane	< 1960	ug/Kg		3/20/2015 16:43
Carbon Tetrachloride	< 1960	ug/Kg		3/20/2015 16:43
Chlorobenzene	< 1960	ug/Kg		3/20/2015 16:43
Chloroethane	< 1960	ug/Kg		3/20/2015 16:43
Chloroform	< 1960	ug/Kg		3/20/2015 16:43
Chloromethane	< 1960	ug/Kg		3/20/2015 16:43
cis-1,2-Dichloroethene	< 1960	ug/Kg		3/20/2015 16:43
cis-1,3-Dichloropropene	< 1960	ug/Kg		3/20/2015 16:43
Dibromochloromethane	< 1960	ug/Kg		3/20/2015 16:43
Methylene chloride	< 4900	ug/Kg		3/20/2015 16:43
Tetrachloroethene	**97900**	ug/Kg		3/20/2015 16:43
trans-1,2-Dichloroethene	< 1960	ug/Kg		3/20/2015 16:43
trans-1,3-Dichloropropene	< 1960	ug/Kg		3/20/2015 16:43
Trichloroethene	< 1960	ug/Kg		3/20/2015 16:43

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-61 (19-20)
Lab Sample ID: 150827-13 **Date Sampled:** 3/12/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 1960	ug/Kg		3/20/2015	16:43
Vinyl chloride	< 1960	ug/Kg		3/20/2015	16:43

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**101**	81.1 - 124		3/20/2015	16:43
4-Bromofluorobenzene	**95.8**	89.2 - 109		3/20/2015	16:43
Pentafluorobenzene	**97.7**	92.2 - 109		3/20/2015	16:43
Toluene-D8	**96.2**	92.4 - 109		3/20/2015	16:43

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21160.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-62 (16-17)		
Lab Sample ID:	150827-14	**Date Sampled:**	3/12/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 9330	ug/Kg		3/20/2015 17:06
1,1,1-Trichloroethane	< 9330	ug/Kg		3/20/2015 17:06
1,1,2,2-Tetrachloroethane	< 9330	ug/Kg		3/20/2015 17:06
1,1,2-Trichloroethane	< 9330	ug/Kg		3/20/2015 17:06
1,1-Dichloroethane	< 9330	ug/Kg		3/20/2015 17:06
1,1-Dichloroethene	< 9330	ug/Kg		3/20/2015 17:06
1,2-Dichlorobenzene	< 9330	ug/Kg		3/20/2015 17:06
1,2-Dichloroethane	< 9330	ug/Kg		3/20/2015 17:06
1,2-Dichloropropane	< 9330	ug/Kg		3/20/2015 17:06
1,3-Dichlorobenzene	< 9330	ug/Kg		3/20/2015 17:06
1,4-Dichlorobenzene	< 9330	ug/Kg		3/20/2015 17:06
Bromodichloromethane	< 9330	ug/Kg		3/20/2015 17:06
Bromoform	< 23300	ug/Kg		3/20/2015 17:06
Bromomethane	< 9330	ug/Kg		3/20/2015 17:06
Carbon Tetrachloride	< 9330	ug/Kg		3/20/2015 17:06
Chlorobenzene	< 9330	ug/Kg		3/20/2015 17:06
Chloroethane	< 9330	ug/Kg		3/20/2015 17:06
Chloroform	< 9330	ug/Kg		3/20/2015 17:06
Chloromethane	< 9330	ug/Kg		3/20/2015 17:06
cis-1,2-Dichloroethene	< 9330	ug/Kg		3/20/2015 17:06
cis-1,3-Dichloropropene	< 9330	ug/Kg		3/20/2015 17:06
Dibromochloromethane	< 9330	ug/Kg		3/20/2015 17:06
Methylene chloride	< 23300	ug/Kg		3/20/2015 17:06
Tetrachloroethene	**275000**	ug/Kg		3/20/2015 17:06
trans-1,2-Dichloroethene	< 9330	ug/Kg		3/20/2015 17:06
trans-1,3-Dichloropropene	< 9330	ug/Kg		3/20/2015 17:06
Trichloroethene	< 9330	ug/Kg		3/20/2015 17:06

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-62 (16-17)
Lab Sample ID: 150827-14 **Date Sampled:** 3/12/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 9330	ug/Kg			3/20/2015 17:06
Vinyl chloride	< 9330	ug/Kg			3/20/2015 17:06

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**108**	81.1 - 124		3/20/2015 17:06
4-Bromofluorobenzene	**97.4**	89.2 - 109		3/20/2015 17:06
Pentafluorobenzene	**96.0**	92.2 - 109		3/20/2015 17:06
Toluene-D8	**96.9**	92.4 - 109		3/20/2015 17:06

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21161.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	Field Duplicate 01		
Lab Sample ID:	150827-15	**Date Sampled:**	3/12/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 7640	ug/Kg		3/20/2015 17:30
1,1,1-Trichloroethane	< 7640	ug/Kg		3/20/2015 17:30
1,1,2,2-Tetrachloroethane	< 7640	ug/Kg		3/20/2015 17:30
1,1,2-Trichloroethane	< 7640	ug/Kg		3/20/2015 17:30
1,1-Dichloroethane	< 7640	ug/Kg		3/20/2015 17:30
1,1-Dichloroethene	< 7640	ug/Kg		3/20/2015 17:30
1,2-Dichlorobenzene	< 7640	ug/Kg		3/20/2015 17:30
1,2-Dichloroethane	< 7640	ug/Kg		3/20/2015 17:30
1,2-Dichloropropane	< 7640	ug/Kg		3/20/2015 17:30
1,3-Dichlorobenzene	< 7640	ug/Kg		3/20/2015 17:30
1,4-Dichlorobenzene	< 7640	ug/Kg		3/20/2015 17:30
Bromodichloromethane	< 7640	ug/Kg		3/20/2015 17:30
Bromoform	< 19100	ug/Kg		3/20/2015 17:30
Bromomethane	< 7640	ug/Kg		3/20/2015 17:30
Carbon Tetrachloride	< 7640	ug/Kg		3/20/2015 17:30
Chlorobenzene	< 7640	ug/Kg		3/20/2015 17:30
Chloroethane	< 7640	ug/Kg		3/20/2015 17:30
Chloroform	< 7640	ug/Kg		3/20/2015 17:30
Chloromethane	< 7640	ug/Kg		3/20/2015 17:30
cis-1,2-Dichloroethene	< 7640	ug/Kg		3/20/2015 17:30
cis-1,3-Dichloropropene	< 7640	ug/Kg		3/20/2015 17:30
Dibromochloromethane	< 7640	ug/Kg		3/20/2015 17:30
Methylene chloride	< 19100	ug/Kg		3/20/2015 17:30
Tetrachloroethene	**168000**	ug/Kg		3/20/2015 17:30
trans-1,2-Dichloroethene	< 7640	ug/Kg		3/20/2015 17:30
trans-1,3-Dichloropropene	< 7640	ug/Kg		3/20/2015 17:30
Trichloroethene	< 7640	ug/Kg		3/20/2015 17:30

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: Field Duplicate 01
Lab Sample ID: 150827-15 **Date Sampled:** 3/12/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 7640	ug/Kg	3/20/2015	17:30
Vinyl chloride	< 7640	ug/Kg	3/20/2015	17:30

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**105**	81.1 - 124		3/20/2015	17:30
4-Bromofluorobenzene	**93.1**	89.2 - 109		3/20/2015	17:30
Pentafluorobenzene	**99.1**	92.2 - 109		3/20/2015	17:30
Toluene-D8	**97.0**	92.4 - 109		3/20/2015	17:30

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21162.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-63 (8-9)		
Lab Sample ID:	150827-16	**Date Sampled:**	3/12/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 49.4	ug/Kg		3/21/2015 01:31
1,1,1-Trichloroethane	< 49.4	ug/Kg		3/21/2015 01:31
1,1,2,2-Tetrachloroethane	< 49.4	ug/Kg		3/21/2015 01:31
1,1,2-Trichloroethane	< 49.4	ug/Kg		3/21/2015 01:31
1,1-Dichloroethane	< 49.4	ug/Kg		3/21/2015 01:31
1,1-Dichloroethene	< 49.4	ug/Kg		3/21/2015 01:31
1,2-Dichlorobenzene	< 49.4	ug/Kg		3/21/2015 01:31
1,2-Dichloroethane	< 49.4	ug/Kg		3/21/2015 01:31
1,2-Dichloropropane	< 49.4	ug/Kg		3/21/2015 01:31
1,3-Dichlorobenzene	< 49.4	ug/Kg		3/21/2015 01:31
1,4-Dichlorobenzene	< 49.4	ug/Kg		3/21/2015 01:31
Bromodichloromethane	< 49.4	ug/Kg		3/21/2015 01:31
Bromoform	< 123	ug/Kg		3/21/2015 01:31
Bromomethane	< 49.4	ug/Kg		3/21/2015 01:31
Carbon Tetrachloride	< 49.4	ug/Kg		3/21/2015 01:31
Chlorobenzene	< 49.4	ug/Kg		3/21/2015 01:31
Chloroethane	< 49.4	ug/Kg		3/21/2015 01:31
Chloroform	< 49.4	ug/Kg		3/21/2015 01:31
Chloromethane	< 49.4	ug/Kg		3/21/2015 01:31
cis-1,2-Dichloroethene	**32.4**	ug/Kg	J	3/21/2015 01:31
cis-1,3-Dichloropropene	< 49.4	ug/Kg		3/21/2015 01:31
Dibromochloromethane	< 49.4	ug/Kg		3/21/2015 01:31
Methylene chloride	< 123	ug/Kg		3/21/2015 01:31
Tetrachloroethene	**861**	ug/Kg		3/21/2015 01:31
trans-1,2-Dichloroethene	< 49.4	ug/Kg		3/21/2015 01:31
trans-1,3-Dichloropropene	< 49.4	ug/Kg		3/21/2015 01:31
Trichloroethene	**113**	ug/Kg		3/21/2015 01:31

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-63 (8-9)
Lab Sample ID: 150827-16 **Date Sampled:** 3/12/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 49.4	ug/Kg			3/21/2015 01:31
Vinyl chloride	< 49.4	ug/Kg			3/21/2015 01:31

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**107**	81.1 - 124		3/21/2015 01:31
4-Bromofluorobenzene	**99.6**	89.2 - 109		3/21/2015 01:31
Pentafluorobenzene	**99.4**	92.2 - 109		3/21/2015 01:31
Toluene-D8	**98.7**	92.4 - 109		3/21/2015 01:31

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21182.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-64 (8-9)		
Lab Sample ID:	150827-17	**Date Sampled:**	3/12/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 3730	ug/Kg		3/20/2015 17:54
1,1,1-Trichloroethane	< 3730	ug/Kg		3/20/2015 17:54
1,1,2,2-Tetrachloroethane	< 3730	ug/Kg		3/20/2015 17:54
1,1,2-Trichloroethane	< 3730	ug/Kg		3/20/2015 17:54
1,1-Dichloroethane	< 3730	ug/Kg		3/20/2015 17:54
1,1-Dichloroethene	< 3730	ug/Kg		3/20/2015 17:54
1,2-Dichlorobenzene	< 3730	ug/Kg		3/20/2015 17:54
1,2-Dichloroethane	< 3730	ug/Kg		3/20/2015 17:54
1,2-Dichloropropane	< 3730	ug/Kg		3/20/2015 17:54
1,3-Dichlorobenzene	< 3730	ug/Kg		3/20/2015 17:54
1,4-Dichlorobenzene	< 3730	ug/Kg		3/20/2015 17:54
Bromodichloromethane	< 3730	ug/Kg		3/20/2015 17:54
Bromoform	< 9330	ug/Kg		3/20/2015 17:54
Bromomethane	< 3730	ug/Kg		3/20/2015 17:54
Carbon Tetrachloride	< 3730	ug/Kg		3/20/2015 17:54
Chlorobenzene	< 3730	ug/Kg		3/20/2015 17:54
Chloroethane	< 3730	ug/Kg		3/20/2015 17:54
Chloroform	< 3730	ug/Kg		3/20/2015 17:54
Chloromethane	< 3730	ug/Kg		3/20/2015 17:54
cis-1,2-Dichloroethene	< 3730	ug/Kg		3/20/2015 17:54
cis-1,3-Dichloropropene	< 3730	ug/Kg		3/20/2015 17:54
Dibromochloromethane	< 3730	ug/Kg		3/20/2015 17:54
Methylene chloride	< 9330	ug/Kg		3/20/2015 17:54
Tetrachloroethene	**21400**	ug/Kg		3/20/2015 17:54
trans-1,2-Dichloroethene	< 3730	ug/Kg		3/20/2015 17:54
trans-1,3-Dichloropropene	< 3730	ug/Kg		3/20/2015 17:54
Trichloroethene	< 3730	ug/Kg		3/20/2015 17:54

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-64 (8-9)
Lab Sample ID: 150827-17 **Date Sampled:** 3/12/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 3730	ug/Kg			3/20/2015 17:54
Vinyl chloride	< 3730	ug/Kg			3/20/2015 17:54

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**107**	81.1 - 124		3/20/2015 17:54
4-Bromofluorobenzene	**93.8**	89.2 - 109		3/20/2015 17:54
Pentafluorobenzene	**96.7**	92.2 - 109		3/20/2015 17:54
Toluene-D8	**96.1**	92.4 - 109		3/20/2015 17:54

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21163.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-64 (21-22)		
Lab Sample ID:	150827-18	**Date Sampled:**	3/12/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 2390	ug/Kg		3/20/2015 18:18
1,1,1-Trichloroethane	< 2390	ug/Kg		3/20/2015 18:18
1,1,2,2-Tetrachloroethane	< 2390	ug/Kg		3/20/2015 18:18
1,1,2-Trichloroethane	< 2390	ug/Kg		3/20/2015 18:18
1,1-Dichloroethane	< 2390	ug/Kg		3/20/2015 18:18
1,1-Dichloroethene	< 2390	ug/Kg		3/20/2015 18:18
1,2-Dichlorobenzene	< 2390	ug/Kg		3/20/2015 18:18
1,2-Dichloroethane	< 2390	ug/Kg		3/20/2015 18:18
1,2-Dichloropropane	< 2390	ug/Kg		3/20/2015 18:18
1,3-Dichlorobenzene	< 2390	ug/Kg		3/20/2015 18:18
1,4-Dichlorobenzene	< 2390	ug/Kg		3/20/2015 18:18
Bromodichloromethane	< 2390	ug/Kg		3/20/2015 18:18
Bromoform	< 5960	ug/Kg		3/20/2015 18:18
Bromomethane	< 2390	ug/Kg		3/20/2015 18:18
Carbon Tetrachloride	< 2390	ug/Kg		3/20/2015 18:18
Chlorobenzene	< 2390	ug/Kg		3/20/2015 18:18
Chloroethane	< 2390	ug/Kg		3/20/2015 18:18
Chloroform	< 2390	ug/Kg		3/20/2015 18:18
Chloromethane	< 2390	ug/Kg		3/20/2015 18:18
cis-1,2-Dichloroethene	< 2390	ug/Kg		3/20/2015 18:18
cis-1,3-Dichloropropene	< 2390	ug/Kg		3/20/2015 18:18
Dibromochloromethane	< 2390	ug/Kg		3/20/2015 18:18
Methylene chloride	< 5960	ug/Kg		3/20/2015 18:18
Tetrachloroethene	**109000**	ug/Kg		3/20/2015 18:18
trans-1,2-Dichloroethene	< 2390	ug/Kg		3/20/2015 18:18
trans-1,3-Dichloropropene	< 2390	ug/Kg		3/20/2015 18:18
Trichloroethene	< 2390	ug/Kg		3/20/2015 18:18

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-64 (21-22)
Lab Sample ID: 150827-18 **Date Sampled:** 3/12/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 2390	ug/Kg			3/20/2015 18:18
Vinyl chloride	< 2390	ug/Kg			3/20/2015 18:18

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**103**	81.1 - 124		3/20/2015 18:18
4-Bromofluorobenzene	**93.9**	89.2 - 109		3/20/2015 18:18
Pentafluorobenzene	**97.3**	92.2 - 109		3/20/2015 18:18
Toluene-D8	**96.7**	92.4 - 109		3/20/2015 18:18

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21164.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-65 (16-17)		
Lab Sample ID:	150827-19	**Date Sampled:**	3/12/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 2870	ug/Kg		3/20/2015 18:42
1,1,1-Trichloroethane	< 2870	ug/Kg		3/20/2015 18:42
1,1,2,2-Tetrachloroethane	< 2870	ug/Kg		3/20/2015 18:42
1,1,2-Trichloroethane	< 2870	ug/Kg		3/20/2015 18:42
1,1-Dichloroethane	< 2870	ug/Kg		3/20/2015 18:42
1,1-Dichloroethene	< 2870	ug/Kg		3/20/2015 18:42
1,2-Dichlorobenzene	< 2870	ug/Kg		3/20/2015 18:42
1,2-Dichloroethane	< 2870	ug/Kg		3/20/2015 18:42
1,2-Dichloropropane	< 2870	ug/Kg		3/20/2015 18:42
1,3-Dichlorobenzene	< 2870	ug/Kg		3/20/2015 18:42
1,4-Dichlorobenzene	< 2870	ug/Kg		3/20/2015 18:42
Bromodichloromethane	< 2870	ug/Kg		3/20/2015 18:42
Bromoform	< 7190	ug/Kg		3/20/2015 18:42
Bromomethane	< 2870	ug/Kg		3/20/2015 18:42
Carbon Tetrachloride	< 2870	ug/Kg		3/20/2015 18:42
Chlorobenzene	< 2870	ug/Kg		3/20/2015 18:42
Chloroethane	< 2870	ug/Kg		3/20/2015 18:42
Chloroform	< 2870	ug/Kg		3/20/2015 18:42
Chloromethane	< 2870	ug/Kg		3/20/2015 18:42
cis-1,2-Dichloroethene	< 2870	ug/Kg		3/20/2015 18:42
cis-1,3-Dichloropropene	< 2870	ug/Kg		3/20/2015 18:42
Dibromochloromethane	< 2870	ug/Kg		3/20/2015 18:42
Methylene chloride	< 7190	ug/Kg		3/20/2015 18:42
Tetrachloroethene	**36600**	ug/Kg		3/20/2015 18:42
trans-1,2-Dichloroethene	< 2870	ug/Kg		3/20/2015 18:42
trans-1,3-Dichloropropene	< 2870	ug/Kg		3/20/2015 18:42
Trichloroethene	< 2870	ug/Kg		3/20/2015 18:42

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-65 (16-17)
Lab Sample ID: 150827-19 **Date Sampled:** 3/12/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 2870	ug/Kg	3/20/2015	18:42
Vinyl chloride	< 2870	ug/Kg	3/20/2015	18:42

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**103**	81.1 - 124		3/20/2015	18:42
4-Bromofluorobenzene	**93.6**	89.2 - 109		3/20/2015	18:42
Pentafluorobenzene	**99.4**	92.2 - 109		3/20/2015	18:42
Toluene-D8	**98.1**	92.4 - 109		3/20/2015	18:42

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21165.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-66 (12-13)		
Lab Sample ID:	150827-20	**Date Sampled:**	3/12/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 8220	ug/Kg		3/20/2015 19:06
1,1,1-Trichloroethane	< 8220	ug/Kg		3/20/2015 19:06
1,1,2,2-Tetrachloroethane	< 8220	ug/Kg		3/20/2015 19:06
1,1,2-Trichloroethane	< 8220	ug/Kg		3/20/2015 19:06
1,1-Dichloroethane	< 8220	ug/Kg		3/20/2015 19:06
1,1-Dichloroethene	< 8220	ug/Kg		3/20/2015 19:06
1,2-Dichlorobenzene	< 8220	ug/Kg		3/20/2015 19:06
1,2-Dichloroethane	< 8220	ug/Kg		3/20/2015 19:06
1,2-Dichloropropane	< 8220	ug/Kg		3/20/2015 19:06
1,3-Dichlorobenzene	< 8220	ug/Kg		3/20/2015 19:06
1,4-Dichlorobenzene	< 8220	ug/Kg		3/20/2015 19:06
Bromodichloromethane	< 8220	ug/Kg		3/20/2015 19:06
Bromoform	< 20500	ug/Kg		3/20/2015 19:06
Bromomethane	< 8220	ug/Kg		3/20/2015 19:06
Carbon Tetrachloride	< 8220	ug/Kg		3/20/2015 19:06
Chlorobenzene	< 8220	ug/Kg		3/20/2015 19:06
Chloroethane	< 8220	ug/Kg		3/20/2015 19:06
Chloroform	< 8220	ug/Kg		3/20/2015 19:06
Chloromethane	< 8220	ug/Kg		3/20/2015 19:06
cis-1,2-Dichloroethene	< 8220	ug/Kg		3/20/2015 19:06
cis-1,3-Dichloropropene	< 8220	ug/Kg		3/20/2015 19:06
Dibromochloromethane	< 8220	ug/Kg		3/20/2015 19:06
Methylene chloride	< 20500	ug/Kg		3/20/2015 19:06
Tetrachloroethene	**58500**	ug/Kg		3/20/2015 19:06
trans-1,2-Dichloroethene	< 8220	ug/Kg		3/20/2015 19:06
trans-1,3-Dichloropropene	< 8220	ug/Kg		3/20/2015 19:06
Trichloroethene	< 8220	ug/Kg		3/20/2015 19:06

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-66 (12-13)
Lab Sample ID: 150827-20 **Date Sampled:** 3/12/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 8220	ug/Kg			3/20/2015 19:06
Vinyl chloride	< 8220	ug/Kg			3/20/2015 19:06

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**106**	81.1 - 124		3/20/2015 19:06
4-Bromofluorobenzene	**94.1**	89.2 - 109		3/20/2015 19:06
Pentafluorobenzene	**96.9**	92.2 - 109		3/20/2015 19:06
Toluene-D8	**98.1**	92.4 - 109		3/20/2015 19:06

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21166.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-67 (15-16)		
Lab Sample ID:	150827-21	**Date Sampled:**	3/12/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 3520	ug/Kg		3/23/2015 00:29
1,1,1-Trichloroethane	< 3520	ug/Kg		3/23/2015 00:29
1,1,2,2-Tetrachloroethane	< 3520	ug/Kg		3/23/2015 00:29
1,1,2-Trichloroethane	< 3520	ug/Kg		3/23/2015 00:29
1,1-Dichloroethane	< 3520	ug/Kg		3/23/2015 00:29
1,1-Dichloroethene	< 3520	ug/Kg		3/23/2015 00:29
1,2-Dichlorobenzene	< 3520	ug/Kg		3/23/2015 00:29
1,2-Dichloroethane	< 3520	ug/Kg		3/23/2015 00:29
1,2-Dichloropropane	< 3520	ug/Kg		3/23/2015 00:29
1,3-Dichlorobenzene	< 3520	ug/Kg		3/23/2015 00:29
1,4-Dichlorobenzene	< 3520	ug/Kg		3/23/2015 00:29
Bromodichloromethane	< 3520	ug/Kg		3/23/2015 00:29
Bromoform	< 8800	ug/Kg		3/23/2015 00:29
Bromomethane	< 3520	ug/Kg		3/23/2015 00:29
Carbon Tetrachloride	< 3520	ug/Kg		3/23/2015 00:29
Chlorobenzene	< 3520	ug/Kg		3/23/2015 00:29
Chloroethane	< 3520	ug/Kg		3/23/2015 00:29
Chloroform	< 3520	ug/Kg		3/23/2015 00:29
Chloromethane	< 3520	ug/Kg		3/23/2015 00:29
cis-1,2-Dichloroethene	< 3520	ug/Kg		3/23/2015 00:29
cis-1,3-Dichloropropene	< 3520	ug/Kg		3/23/2015 00:29
Dibromochloromethane	< 3520	ug/Kg		3/23/2015 00:29
Methylene chloride	< 8800	ug/Kg		3/23/2015 00:29
Tetrachloroethene	**70800**	ug/Kg		3/23/2015 00:29
trans-1,2-Dichloroethene	< 3520	ug/Kg		3/23/2015 00:29
trans-1,3-Dichloropropene	< 3520	ug/Kg		3/23/2015 00:29
Trichloroethene	< 3520	ug/Kg		3/23/2015 00:29

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-67 (15-16)
Lab Sample ID: 150827-21 **Date Sampled:** 3/12/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 3520	ug/Kg		3/23/2015	00:29
Vinyl chloride	< 3520	ug/Kg		3/23/2015	00:29

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**97.4**	81.1 - 124		3/23/2015	00:29
4-Bromofluorobenzene	**95.2**	89.2 - 109		3/23/2015	00:29
Pentafluorobenzene	**100**	92.2 - 109		3/23/2015	00:29
Toluene-D8	**98.2**	92.4 - 109		3/23/2015	00:29

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21287.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-68 (7-8)		
Lab Sample ID:	150827-22	**Date Sampled:**	3/13/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 4.49	ug/Kg		3/21/2015 02:20
1,1,1-Trichloroethane	< 4.49	ug/Kg		3/21/2015 02:20
1,1,2,2-Tetrachloroethane	< 4.49	ug/Kg		3/21/2015 02:20
1,1,2-Trichloroethane	< 4.49	ug/Kg		3/21/2015 02:20
1,1-Dichloroethane	< 4.49	ug/Kg		3/21/2015 02:20
1,1-Dichloroethene	< 4.49	ug/Kg		3/21/2015 02:20
1,2-Dichlorobenzene	< 4.49	ug/Kg		3/21/2015 02:20
1,2-Dichloroethane	< 4.49	ug/Kg		3/21/2015 02:20
1,2-Dichloropropane	< 4.49	ug/Kg		3/21/2015 02:20
1,3-Dichlorobenzene	< 4.49	ug/Kg		3/21/2015 02:20
1,4-Dichlorobenzene	< 4.49	ug/Kg		3/21/2015 02:20
Bromodichloromethane	< 4.49	ug/Kg		3/21/2015 02:20
Bromoform	< 11.2	ug/Kg		3/21/2015 02:20
Bromomethane	< 4.49	ug/Kg		3/21/2015 02:20
Carbon Tetrachloride	< 4.49	ug/Kg		3/21/2015 02:20
Chlorobenzene	< 4.49	ug/Kg		3/21/2015 02:20
Chloroethane	< 4.49	ug/Kg		3/21/2015 02:20
Chloroform	< 4.49	ug/Kg		3/21/2015 02:20
Chloromethane	< 4.49	ug/Kg		3/21/2015 02:20
cis-1,2-Dichloroethene	< 4.49	ug/Kg		3/21/2015 02:20
cis-1,3-Dichloropropene	< 4.49	ug/Kg		3/21/2015 02:20
Dibromochloromethane	< 4.49	ug/Kg		3/21/2015 02:20
Methylene chloride	< 11.2	ug/Kg		3/21/2015 02:20
Tetrachloroethene	**12.0**	ug/Kg		3/21/2015 02:20
trans-1,2-Dichloroethene	< 4.49	ug/Kg		3/21/2015 02:20
trans-1,3-Dichloropropene	< 4.49	ug/Kg		3/21/2015 02:20
Trichloroethene	< 4.49	ug/Kg		3/21/2015 02:20

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-68 (7-8)
Lab Sample ID: 150827-22 **Date Sampled:** 3/13/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 4.49	ug/Kg			3/21/2015 02:20
Vinyl chloride	< 4.49	ug/Kg			3/21/2015 02:20

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**108**	81.1 - 124		3/21/2015 02:20
4-Bromofluorobenzene	**96.7**	89.2 - 109		3/21/2015 02:20
Pentafluorobenzene	**96.9**	92.2 - 109		3/21/2015 02:20
Toluene-D8	**99.0**	92.4 - 109		3/21/2015 02:20

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21184.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-68 (16-17)		
Lab Sample ID:	150827-23	**Date Sampled:**	3/13/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 4.01	ug/Kg		3/21/2015 02:44
1,1,1-Trichloroethane	< 4.01	ug/Kg		3/21/2015 02:44
1,1,2,2-Tetrachloroethane	< 4.01	ug/Kg		3/21/2015 02:44
1,1,2-Trichloroethane	< 4.01	ug/Kg		3/21/2015 02:44
1,1-Dichloroethane	< 4.01	ug/Kg		3/21/2015 02:44
1,1-Dichloroethene	< 4.01	ug/Kg		3/21/2015 02:44
1,2-Dichlorobenzene	< 4.01	ug/Kg		3/21/2015 02:44
1,2-Dichloroethane	< 4.01	ug/Kg		3/21/2015 02:44
1,2-Dichloropropane	< 4.01	ug/Kg		3/21/2015 02:44
1,3-Dichlorobenzene	< 4.01	ug/Kg		3/21/2015 02:44
1,4-Dichlorobenzene	< 4.01	ug/Kg		3/21/2015 02:44
Bromodichloromethane	< 4.01	ug/Kg		3/21/2015 02:44
Bromoform	< 10.0	ug/Kg		3/21/2015 02:44
Bromomethane	< 4.01	ug/Kg		3/21/2015 02:44
Carbon Tetrachloride	< 4.01	ug/Kg		3/21/2015 02:44
Chlorobenzene	< 4.01	ug/Kg		3/21/2015 02:44
Chloroethane	< 4.01	ug/Kg		3/21/2015 02:44
Chloroform	< 4.01	ug/Kg		3/21/2015 02:44
Chloromethane	< 4.01	ug/Kg		3/21/2015 02:44
cis-1,2-Dichloroethene	< 4.01	ug/Kg		3/21/2015 02:44
cis-1,3-Dichloropropene	< 4.01	ug/Kg		3/21/2015 02:44
Dibromochloromethane	< 4.01	ug/Kg		3/21/2015 02:44
Methylene chloride	< 10.0	ug/Kg		3/21/2015 02:44
Tetrachloroethene	**30.0**	ug/Kg		3/21/2015 02:44
trans-1,2-Dichloroethene	< 4.01	ug/Kg		3/21/2015 02:44
trans-1,3-Dichloropropene	< 4.01	ug/Kg		3/21/2015 02:44
Trichloroethene	< 4.01	ug/Kg		3/21/2015 02:44

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-68 (16-17)
Lab Sample ID: 150827-23 **Date Sampled:** 3/13/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 4.01	ug/Kg	3/21/2015	02:44
Vinyl chloride	< 4.01	ug/Kg	3/21/2015	02:44

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**108**	81.1 - 124		3/21/2015	02:44
4-Bromofluorobenzene	**89.5**	89.2 - 109		3/21/2015	02:44
Pentafluorobenzene	**92.6**	92.2 - 109		3/21/2015	02:44
Toluene-D8	**95.6**	92.4 - 109		3/21/2015	02:44

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21185.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-69 (12-13)		
Lab Sample ID:	150827-24	**Date Sampled:**	3/13/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 4.12	ug/Kg		3/21/2015 03:08
1,1,1-Trichloroethane	< 4.12	ug/Kg		3/21/2015 03:08
1,1,2,2-Tetrachloroethane	< 4.12	ug/Kg		3/21/2015 03:08
1,1,2-Trichloroethane	< 4.12	ug/Kg		3/21/2015 03:08
1,1-Dichloroethane	< 4.12	ug/Kg		3/21/2015 03:08
1,1-Dichloroethene	< 4.12	ug/Kg		3/21/2015 03:08
1,2-Dichlorobenzene	< 4.12	ug/Kg		3/21/2015 03:08
1,2-Dichloroethane	< 4.12	ug/Kg		3/21/2015 03:08
1,2-Dichloropropane	< 4.12	ug/Kg		3/21/2015 03:08
1,3-Dichlorobenzene	< 4.12	ug/Kg		3/21/2015 03:08
1,4-Dichlorobenzene	< 4.12	ug/Kg		3/21/2015 03:08
Bromodichloromethane	< 4.12	ug/Kg		3/21/2015 03:08
Bromoform	< 10.3	ug/Kg		3/21/2015 03:08
Bromomethane	< 4.12	ug/Kg		3/21/2015 03:08
Carbon Tetrachloride	< 4.12	ug/Kg		3/21/2015 03:08
Chlorobenzene	< 4.12	ug/Kg		3/21/2015 03:08
Chloroethane	< 4.12	ug/Kg		3/21/2015 03:08
Chloroform	< 4.12	ug/Kg		3/21/2015 03:08
Chloromethane	< 4.12	ug/Kg		3/21/2015 03:08
cis-1,2-Dichloroethene	< 4.12	ug/Kg		3/21/2015 03:08
cis-1,3-Dichloropropene	< 4.12	ug/Kg		3/21/2015 03:08
Dibromochloromethane	< 4.12	ug/Kg		3/21/2015 03:08
Methylene chloride	< 10.3	ug/Kg		3/21/2015 03:08
Tetrachloroethene	**3.11**	ug/Kg	J	3/21/2015 03:08
trans-1,2-Dichloroethene	< 4.12	ug/Kg		3/21/2015 03:08
trans-1,3-Dichloropropene	< 4.12	ug/Kg		3/21/2015 03:08
Trichloroethene	< 4.12	ug/Kg		3/21/2015 03:08

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-69 (12-13)
Lab Sample ID: 150827-24 **Date Sampled:** 3/13/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 4.12	ug/Kg			3/21/2015 03:08
Vinyl chloride	< 4.12	ug/Kg			3/21/2015 03:08

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**104**	81.1 - 124		3/21/2015 03:08
4-Bromofluorobenzene	**96.3**	89.2 - 109		3/21/2015 03:08
Pentafluorobenzene	**98.4**	92.2 - 109		3/21/2015 03:08
Toluene-D8	**99.4**	92.4 - 109		3/21/2015 03:08

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21186.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-70 (6-7)		
Lab Sample ID:	150827-25	**Date Sampled:**	3/13/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 4.29	ug/Kg		3/21/2015 03:33
1,1,1-Trichloroethane	< 4.29	ug/Kg		3/21/2015 03:33
1,1,2,2-Tetrachloroethane	< 4.29	ug/Kg		3/21/2015 03:33
1,1,2-Trichloroethane	< 4.29	ug/Kg		3/21/2015 03:33
1,1-Dichloroethane	< 4.29	ug/Kg		3/21/2015 03:33
1,1-Dichloroethene	< 4.29	ug/Kg		3/21/2015 03:33
1,2-Dichlorobenzene	< 4.29	ug/Kg		3/21/2015 03:33
1,2-Dichloroethane	< 4.29	ug/Kg		3/21/2015 03:33
1,2-Dichloropropane	< 4.29	ug/Kg		3/21/2015 03:33
1,3-Dichlorobenzene	< 4.29	ug/Kg		3/21/2015 03:33
1,4-Dichlorobenzene	< 4.29	ug/Kg		3/21/2015 03:33
Bromodichloromethane	< 4.29	ug/Kg		3/21/2015 03:33
Bromoform	< 10.7	ug/Kg		3/21/2015 03:33
Bromomethane	< 4.29	ug/Kg		3/21/2015 03:33
Carbon Tetrachloride	< 4.29	ug/Kg		3/21/2015 03:33
Chlorobenzene	< 4.29	ug/Kg		3/21/2015 03:33
Chloroethane	< 4.29	ug/Kg		3/21/2015 03:33
Chloroform	< 4.29	ug/Kg		3/21/2015 03:33
Chloromethane	< 4.29	ug/Kg		3/21/2015 03:33
cis-1,2-Dichloroethene	< 4.29	ug/Kg		3/21/2015 03:33
cis-1,3-Dichloropropene	< 4.29	ug/Kg		3/21/2015 03:33
Dibromochloromethane	< 4.29	ug/Kg		3/21/2015 03:33
Methylene chloride	< 10.7	ug/Kg		3/21/2015 03:33
Tetrachloroethene	**54.7**	ug/Kg		3/21/2015 03:33
trans-1,2-Dichloroethene	< 4.29	ug/Kg		3/21/2015 03:33
trans-1,3-Dichloropropene	< 4.29	ug/Kg		3/21/2015 03:33
Trichloroethene	< 4.29	ug/Kg		3/21/2015 03:33

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-70 (6-7)
Lab Sample ID: 150827-25 **Date Sampled:** 3/13/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 4.29	ug/Kg			3/21/2015 03:33
Vinyl chloride	< 4.29	ug/Kg			3/21/2015 03:33

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**108**	81.1 - 124		3/21/2015 03:33
4-Bromofluorobenzene	**95.0**	89.2 - 109		3/21/2015 03:33
Pentafluorobenzene	**95.5**	92.2 - 109		3/21/2015 03:33
Toluene-D8	**98.3**	92.4 - 109		3/21/2015 03:33

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21187.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	Field Duplicate 02		
Lab Sample ID:	150827-26	**Date Sampled:**	3/13/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 8.83	ug/Kg		3/21/2015 03:57
1,1,1-Trichloroethane	< 8.83	ug/Kg		3/21/2015 03:57
1,1,2,2-Tetrachloroethane	< 8.83	ug/Kg		3/21/2015 03:57
1,1,2-Trichloroethane	< 8.83	ug/Kg		3/21/2015 03:57
1,1-Dichloroethane	< 8.83	ug/Kg		3/21/2015 03:57
1,1-Dichloroethene	< 8.83	ug/Kg		3/21/2015 03:57
1,2-Dichlorobenzene	< 8.83	ug/Kg		3/21/2015 03:57
1,2-Dichloroethane	< 8.83	ug/Kg		3/21/2015 03:57
1,2-Dichloropropane	< 8.83	ug/Kg		3/21/2015 03:57
1,3-Dichlorobenzene	< 8.83	ug/Kg		3/21/2015 03:57
1,4-Dichlorobenzene	< 8.83	ug/Kg		3/21/2015 03:57
Bromodichloromethane	< 8.83	ug/Kg		3/21/2015 03:57
Bromoform	< 22.1	ug/Kg		3/21/2015 03:57
Bromomethane	< 8.83	ug/Kg		3/21/2015 03:57
Carbon Tetrachloride	< 8.83	ug/Kg		3/21/2015 03:57
Chlorobenzene	< 8.83	ug/Kg		3/21/2015 03:57
Chloroethane	< 8.83	ug/Kg		3/21/2015 03:57
Chloroform	< 8.83	ug/Kg		3/21/2015 03:57
Chloromethane	< 8.83	ug/Kg		3/21/2015 03:57
cis-1,2-Dichloroethene	< 8.83	ug/Kg		3/21/2015 03:57
cis-1,3-Dichloropropene	< 8.83	ug/Kg		3/21/2015 03:57
Dibromochloromethane	< 8.83	ug/Kg		3/21/2015 03:57
Methylene chloride	< 22.1	ug/Kg		3/21/2015 03:57
Tetrachloroethene	**378**	ug/Kg		3/21/2015 03:57
trans-1,2-Dichloroethene	< 8.83	ug/Kg		3/21/2015 03:57
trans-1,3-Dichloropropene	< 8.83	ug/Kg		3/21/2015 03:57
Trichloroethene	< 8.83	ug/Kg		3/21/2015 03:57

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: Field Duplicate 02
Lab Sample ID: 150827-26 **Date Sampled:** 3/13/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 8.83	ug/Kg	3/21/2015	03:57
Vinyl chloride	< 8.83	ug/Kg	3/21/2015	03:57

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**105**	81.1 - 124		3/21/2015	03:57
4-Bromofluorobenzene	**95.0**	89.2 - 109		3/21/2015	03:57
Pentafluorobenzene	**94.5**	92.2 - 109		3/21/2015	03:57
Toluene-D8	**96.1**	92.4 - 109		3/21/2015	03:57

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21188.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-71 (3-4)		
Lab Sample ID:	150827-27	**Date Sampled:**	3/13/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 4.53	ug/Kg		3/21/2015 04:22
1,1,1-Trichloroethane	< 4.53	ug/Kg		3/21/2015 04:22
1,1,2,2-Tetrachloroethane	< 4.53	ug/Kg		3/21/2015 04:22
1,1,2-Trichloroethane	< 4.53	ug/Kg		3/21/2015 04:22
1,1-Dichloroethane	< 4.53	ug/Kg		3/21/2015 04:22
1,1-Dichloroethene	< 4.53	ug/Kg		3/21/2015 04:22
1,2-Dichlorobenzene	< 4.53	ug/Kg		3/21/2015 04:22
1,2-Dichloroethane	< 4.53	ug/Kg		3/21/2015 04:22
1,2-Dichloropropane	< 4.53	ug/Kg		3/21/2015 04:22
1,3-Dichlorobenzene	< 4.53	ug/Kg		3/21/2015 04:22
1,4-Dichlorobenzene	< 4.53	ug/Kg		3/21/2015 04:22
Bromodichloromethane	< 4.53	ug/Kg		3/21/2015 04:22
Bromoform	< 11.3	ug/Kg		3/21/2015 04:22
Bromomethane	< 4.53	ug/Kg		3/21/2015 04:22
Carbon Tetrachloride	< 4.53	ug/Kg		3/21/2015 04:22
Chlorobenzene	< 4.53	ug/Kg		3/21/2015 04:22
Chloroethane	< 4.53	ug/Kg		3/21/2015 04:22
Chloroform	< 4.53	ug/Kg		3/21/2015 04:22
Chloromethane	< 4.53	ug/Kg		3/21/2015 04:22
cis-1,2-Dichloroethene	< 4.53	ug/Kg		3/21/2015 04:22
cis-1,3-Dichloropropene	< 4.53	ug/Kg		3/21/2015 04:22
Dibromochloromethane	< 4.53	ug/Kg		3/21/2015 04:22
Methylene chloride	< 11.3	ug/Kg		3/21/2015 04:22
Tetrachloroethene	**21.4**	ug/Kg		3/21/2015 04:22
trans-1,2-Dichloroethene	< 4.53	ug/Kg		3/21/2015 04:22
trans-1,3-Dichloropropene	< 4.53	ug/Kg		3/21/2015 04:22
Trichloroethene	< 4.53	ug/Kg		3/21/2015 04:22

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-71 (3-4)
Lab Sample ID: 150827-27 **Date Sampled:** 3/13/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 4.53	ug/Kg	3/21/2015	04:22
Vinyl chloride	< 4.53	ug/Kg	3/21/2015	04:22

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**107**	81.1 - 124		3/21/2015	04:22
4-Bromofluorobenzene	**91.9**	89.2 - 109		3/21/2015	04:22
Pentafluorobenzene	**97.0**	92.2 - 109		3/21/2015	04:22
Toluene-D8	**96.7**	92.4 - 109		3/21/2015	04:22

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21189.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-72 (9-10)		
Lab Sample ID:	150827-28	**Date Sampled:**	3/13/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 18.6	ug/Kg		3/21/2015 04:46
1,1,1-Trichloroethane	< 18.6	ug/Kg		3/21/2015 04:46
1,1,2,2-Tetrachloroethane	< 18.6	ug/Kg		3/21/2015 04:46
1,1,2-Trichloroethane	< 18.6	ug/Kg		3/21/2015 04:46
1,1-Dichloroethane	< 18.6	ug/Kg		3/21/2015 04:46
1,1-Dichloroethene	< 18.6	ug/Kg		3/21/2015 04:46
1,2-Dichlorobenzene	< 18.6	ug/Kg		3/21/2015 04:46
1,2-Dichloroethane	< 18.6	ug/Kg		3/21/2015 04:46
1,2-Dichloropropane	< 18.6	ug/Kg		3/21/2015 04:46
1,3-Dichlorobenzene	< 18.6	ug/Kg		3/21/2015 04:46
1,4-Dichlorobenzene	< 18.6	ug/Kg		3/21/2015 04:46
Bromodichloromethane	< 18.6	ug/Kg		3/21/2015 04:46
Bromoform	< 46.5	ug/Kg		3/21/2015 04:46
Bromomethane	< 18.6	ug/Kg		3/21/2015 04:46
Carbon Tetrachloride	< 18.6	ug/Kg		3/21/2015 04:46
Chlorobenzene	< 18.6	ug/Kg		3/21/2015 04:46
Chloroethane	< 18.6	ug/Kg		3/21/2015 04:46
Chloroform	< 18.6	ug/Kg		3/21/2015 04:46
Chloromethane	< 18.6	ug/Kg		3/21/2015 04:46
cis-1,2-Dichloroethene	< 18.6	ug/Kg		3/21/2015 04:46
cis-1,3-Dichloropropene	< 18.6	ug/Kg		3/21/2015 04:46
Dibromochloromethane	< 18.6	ug/Kg		3/21/2015 04:46
Methylene chloride	< 46.5	ug/Kg		3/21/2015 04:46
Tetrachloroethene	**122**	ug/Kg		3/21/2015 04:46
trans-1,2-Dichloroethene	< 18.6	ug/Kg		3/21/2015 04:46
trans-1,3-Dichloropropene	< 18.6	ug/Kg		3/21/2015 04:46
Trichloroethene	< 18.6	ug/Kg		3/21/2015 04:46

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-72 (9-10)
Lab Sample ID: 150827-28 **Date Sampled:** 3/13/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 18.6	ug/Kg	3/21/2015	04:46
Vinyl chloride	< 18.6	ug/Kg	3/21/2015	04:46

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**117**	81.1 - 124		3/21/2015	04:46
4-Bromofluorobenzene	**93.3**	89.2 - 109		3/21/2015	04:46
Pentafluorobenzene	**95.9**	92.2 - 109		3/21/2015	04:46
Toluene-D8	**98.1**	92.4 - 109		3/21/2015	04:46

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21190.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-73 (6-7)		
Lab Sample ID:	150827-29	**Date Sampled:**	3/13/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 3.86	ug/Kg		3/21/2015 05:10
1,1,1-Trichloroethane	< 3.86	ug/Kg		3/21/2015 05:10
1,1,2,2-Tetrachloroethane	< 3.86	ug/Kg		3/21/2015 05:10
1,1,2-Trichloroethane	< 3.86	ug/Kg		3/21/2015 05:10
1,1-Dichloroethane	< 3.86	ug/Kg		3/21/2015 05:10
1,1-Dichloroethene	< 3.86	ug/Kg		3/21/2015 05:10
1,2-Dichlorobenzene	< 3.86	ug/Kg		3/21/2015 05:10
1,2-Dichloroethane	< 3.86	ug/Kg		3/21/2015 05:10
1,2-Dichloropropane	< 3.86	ug/Kg		3/21/2015 05:10
1,3-Dichlorobenzene	< 3.86	ug/Kg		3/21/2015 05:10
1,4-Dichlorobenzene	< 3.86	ug/Kg		3/21/2015 05:10
Bromodichloromethane	< 3.86	ug/Kg		3/21/2015 05:10
Bromoform	< 9.66	ug/Kg		3/21/2015 05:10
Bromomethane	< 3.86	ug/Kg		3/21/2015 05:10
Carbon Tetrachloride	< 3.86	ug/Kg		3/21/2015 05:10
Chlorobenzene	< 3.86	ug/Kg		3/21/2015 05:10
Chloroethane	< 3.86	ug/Kg		3/21/2015 05:10
Chloroform	< 3.86	ug/Kg		3/21/2015 05:10
Chloromethane	< 3.86	ug/Kg		3/21/2015 05:10
cis-1,2-Dichloroethene	< 3.86	ug/Kg		3/21/2015 05:10
cis-1,3-Dichloropropene	< 3.86	ug/Kg		3/21/2015 05:10
Dibromochloromethane	< 3.86	ug/Kg		3/21/2015 05:10
Methylene chloride	< 9.66	ug/Kg		3/21/2015 05:10
Tetrachloroethene	**12.9**	ug/Kg		3/21/2015 05:10
trans-1,2-Dichloroethene	< 3.86	ug/Kg		3/21/2015 05:10
trans-1,3-Dichloropropene	< 3.86	ug/Kg		3/21/2015 05:10
Trichloroethene	< 3.86	ug/Kg		3/21/2015 05:10

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-73 (6-7)
Lab Sample ID: 150827-29 **Date Sampled:** 3/13/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 3.86	ug/Kg			3/21/2015 05:10
Vinyl chloride	< 3.86	ug/Kg			3/21/2015 05:10

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**109**	81.1 - 124		3/21/2015 05:10
4-Bromofluorobenzene	**91.0**	89.2 - 109		3/21/2015 05:10
Pentafluorobenzene	**91.6**	92.2 - 109	*	3/21/2015 05:10
Toluene-D8	**96.9**	92.4 - 109		3/21/2015 05:10

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21191.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	SP-74 (5-6)		
Lab Sample ID:	150827-30	**Date Sampled:**	3/13/2015
Matrix:	Soil	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 4.36	ug/Kg		3/21/2015 05:35
1,1,1-Trichloroethane	< 4.36	ug/Kg	M	3/21/2015 05:35
1,1,2,2-Tetrachloroethane	< 4.36	ug/Kg	M	3/21/2015 05:35
1,1,2-Trichloroethane	< 4.36	ug/Kg	M	3/21/2015 05:35
1,1-Dichloroethane	< 4.36	ug/Kg	M	3/21/2015 05:35
1,1-Dichloroethene	< 4.36	ug/Kg	M	3/21/2015 05:35
1,2-Dichlorobenzene	< 4.36	ug/Kg	M	3/21/2015 05:35
1,2-Dichloroethane	< 4.36	ug/Kg		3/21/2015 05:35
1,2-Dichloropropane	< 4.36	ug/Kg	M	3/21/2015 05:35
1,3-Dichlorobenzene	< 4.36	ug/Kg	M	3/21/2015 05:35
1,4-Dichlorobenzene	< 4.36	ug/Kg	M	3/21/2015 05:35
Bromodichloromethane	< 4.36	ug/Kg	M	3/21/2015 05:35
Bromoform	< 10.9	ug/Kg		3/21/2015 05:35
Bromomethane	< 4.36	ug/Kg	M	3/21/2015 05:35
Carbon Tetrachloride	< 4.36	ug/Kg		3/21/2015 05:35
Chlorobenzene	< 4.36	ug/Kg	M	3/21/2015 05:35
Chloroethane	< 4.36	ug/Kg	M	3/21/2015 05:35
Chloroform	< 4.36	ug/Kg	M	3/21/2015 05:35
Chloromethane	< 4.36	ug/Kg	M	3/21/2015 05:35
cis-1,2-Dichloroethene	< 4.36	ug/Kg		3/21/2015 05:35
cis-1,3-Dichloropropene	< 4.36	ug/Kg	M	3/21/2015 05:35
Dibromochloromethane	< 4.36	ug/Kg	M	3/21/2015 05:35
Methylene chloride	< 10.9	ug/Kg		3/21/2015 05:35
Tetrachloroethene	**10.2**	ug/Kg	M	3/21/2015 05:35
trans-1,2-Dichloroethene	< 4.36	ug/Kg	M	3/21/2015 05:35
trans-1,3-Dichloropropene	< 4.36	ug/Kg		3/21/2015 05:35
Trichloroethene	< 4.36	ug/Kg	M	3/21/2015 05:35

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: SP-74 (5-6)
Lab Sample ID: 150827-30 **Date Sampled:** 3/13/2015
Matrix: Soil **Date Received:** 3/16/2015

Trichlorofluoromethane	< 4.36	ug/Kg		M	3/21/2015 05:35
Vinyl chloride	< 4.36	ug/Kg		M	3/21/2015 05:35

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**109**	81.1 - 124		3/21/2015 05:35
4-Bromofluorobenzene	**91.7**	89.2 - 109		3/21/2015 05:35
Pentafluorobenzene	**94.4**	92.2 - 109		3/21/2015 05:35
Toluene-D8	**98.1**	92.4 - 109		3/21/2015 05:35

Method Reference(s): EPA 8260C
EPA 5035
Data File: x21192.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier:	Trip Blank 31315		
Lab Sample ID:	150827-31	**Date Sampled:**	3/13/2015
Matrix:	Water	**Date Received:**	3/16/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1,2-Tetrachloroethane	< 2.00	ug/L		3/19/2015 20:37
1,1,1-Trichloroethane	< 2.00	ug/L		3/19/2015 20:37
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		3/19/2015 20:37
1,1,2-Trichloroethane	< 2.00	ug/L		3/19/2015 20:37
1,1-Dichloroethane	< 2.00	ug/L		3/19/2015 20:37
1,1-Dichloroethene	< 2.00	ug/L		3/19/2015 20:37
1,2-Dichlorobenzene	< 2.00	ug/L		3/19/2015 20:37
1,2-Dichloroethane	< 2.00	ug/L		3/19/2015 20:37
1,2-Dichloropropane	< 2.00	ug/L		3/19/2015 20:37
1,3-Dichlorobenzene	< 2.00	ug/L		3/19/2015 20:37
1,4-Dichlorobenzene	< 2.00	ug/L		3/19/2015 20:37
Bromodichloromethane	< 2.00	ug/L		3/19/2015 20:37
Bromoform	< 5.00	ug/L		3/19/2015 20:37
Bromomethane	< 2.00	ug/L		3/19/2015 20:37
Carbon Tetrachloride	< 2.00	ug/L		3/19/2015 20:37
Chlorobenzene	< 2.00	ug/L		3/19/2015 20:37
Chloroethane	< 2.00	ug/L		3/19/2015 20:37
Chloroform	< 2.00	ug/L		3/19/2015 20:37
Chloromethane	< 2.00	ug/L		3/19/2015 20:37
cis-1,2-Dichloroethene	< 2.00	ug/L		3/19/2015 20:37
cis-1,3-Dichloropropene	< 2.00	ug/L		3/19/2015 20:37
Dibromochloromethane	< 2.00	ug/L		3/19/2015 20:37
Methylene chloride	< 5.00	ug/L		3/19/2015 20:37
Tetrachloroethene	< 2.00	ug/L		3/19/2015 20:37
trans-1,2-Dichloroethene	< 2.00	ug/L		3/19/2015 20:37
trans-1,3-Dichloropropene	< 2.00	ug/L		3/19/2015 20:37
Trichloroethene	< 2.00	ug/L		3/19/2015 20:37

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150827

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza

Sample Identifier: Trip Blank 31315
Lab Sample ID: 150827-31 **Date Sampled:** 3/13/2015
Matrix: Water **Date Received:** 3/16/2015

Trichlorofluoromethane	< 2.00	ug/L			3/19/2015 20:37
Vinyl chloride	< 2.00	ug/L			3/19/2015 20:37

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**102**	80.4 - 116		3/19/2015 20:37
4-Bromofluorobenzene	**92.8**	87 - 109		3/19/2015 20:37
Pentafluorobenzene	**97.1**	92.8 - 109		3/19/2015 20:37
Toluene-D8	**96.3**	92.1 - 107		3/19/2015 20:37

Method Reference(s): EPA 8260C
EPA 5030
Data File: x21106.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

REPORT TO:			INVOICE TO:			LAB PROJECT ID
CLIENT: GZA			CLIENT:			150827
ADDRESS: 535 Washington St			ADDRESS: SAME			Quotation #:
CITY: Buffalo	STATE: NY	ZIP: 14203	CITY:	STATE:	ZIP:	
PHONE: (716) 844-7044			PHONE:			Email: todd.bown@gza.com
ATTN: TODD BOWN			ATTN:			

PROJECT REFERENCE

Northtown Plaza
PER JH KRH 3/16/15

Matrix Codes:

AQ - Aqueous Liquid	**WA** - Water	**DW** - Drinking Water	**SO** - Soil	**SD** - Solid	**WP** - Wipe	**OL** - Oil
NQ - Non-Aqueous Liquid	**WG** - Groundwater	**WW** - Wastewater	**SL** - Sludge	**PT** - Paint	**CK** - Caulk	**AR** - Air

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	8260									REMARKS	PARADIGM LAB SAMPLE NUMBER
1	3/10/15	1030		X	SP-52 (8-9)	SO	1	X									chlorinated only	01
2	↓	1315		X	SP-53 (7-8)	↓	↓	X									↓	02
3	↓	1530		X	SP-54 (15-16)	↓	↓	X									↓	03
4	↓	1535		X	SP-54 (8-9)	↓	↓	X									↓	04
5	3/11/15	1005		X	SP-55 (10-11)	↓	↓	X										05
6	↓	1205		X	SP-56 (14-15)	↓	↓	X										06
7	↓	1400		X	SP-57 (12-13)	↓	↓	X										07
8	↓	1510		X	SP-58 (11-12)	↓	↓	X										08
9	↓	1635		X	SP-59 (13-14)	↓	↓	X										09
10	↓	1640		X	SP-59 (20-21)	↓	↓	X										10

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	X
Rush 2 day		Category B	X		
Rush 1 day					
Other please indicate:		Other please indicate:		Other EDD please indicate:	

TODD G. BOWN	3/13/15 1615	Total Cost:
Sampled By	Date/Time	
Relinquished By	3/13/15 1615 Date/Time	
Received By	3/13/15 1625 Date/Time	P.I.F.
Received @ Lab By	3/16/15 13:44 Date/Time	

3°C iced 3/16/15 10:21

Custody Seals Intact, Signed, & Dated 6P 3/16/15

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT: GZA		CLIENT:		
ADDRESS: 535 Washington St. 11th Floor		ADDRESS: SAME		
CITY: Buffalo STATE: NY ZIP: 14203		CITY: STATE: ZIP:		Quotation #:
PHONE: 716-844-7044		PHONE:		Email: todd.bown@gza.com
ATTN: Todd Bown		ATTN:		

PROJECT REFERENCE

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	8260	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	3/12/15	0925		X	SP-60 (5-6)	SO	1	X	chlorinated VOCs only	1 1
2		1010		X	SP-61 (7-8)	↓	↓	X		1 2
3		1020		X	SP-61 (19-20)	↓	↓	X		1 3
4		1135		X	SP-62 (16-17)	↓	↓	X		1 4
5		—		X	Field Duplicate 01	↓	↓	X		1 5
6		1215		X	SP-63 (8-9)	↓	↓	X		1 6
7		1330		X	SP-64 (8-9)	↓	↓	X		1 7
8		1335		X	SP-64 (21-22)	↓	↓	X		1 8
9		1425		X	SP-65 (16-17)	↓	↓	X		1 9
10		1525		X	SP-66 (12-13)	↓	↓	X		2 0

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	
Rush 2 day		Category B			
Rush 1 day					
Other please indicate:		Other please indicate:		Other EDD please indicate:	

Sampled By	Date/Time 3/13/15 1615	Total Cost:
Relinquished By	Date/Time 3/13/15 1615	
Received By	Date/Time 3/13/15 1615	P.I.F.
Received @ Lab By	Date/Time	

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	LAB PROJECT ID
CLIENT: GZA	CLIENT:	
ADDRESS: 535 Washington St	ADDRESS: Same	
CITY: Buffalo STATE: NY ZIP: 14203	CITY: STATE: ZIP:	Quotation #:
PHONE: 716-849-7044	PHONE:	Email: Todd.Bown@GZA.com
ATTN: Todd Bown	ATTN:	

PROJECT REFERENCE

Matrix Codes:
AQ - Aqueous Liquid; **NQ** - Non-Aqueous Liquid; **WA** - Water; **WG** - Groundwater; **DW** - Drinking Water; **WW** - Wastewater; **SO** - Soil; **SL** - Sludge; **SD** - Solid; **PT** - Paint; **WP** - Wipe; **CK** - Caulk; **OL** - Oil; **AR** - Air

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	8260									REMARKS	PARADIGM LAB SAMPLE NUMBER
1	3/12/15	1630		X	SP-67 (15-16)	SO	1	X									Chlorinated VOCs	21
2	3/13/15	0930		X	SP-68 (7-8)		1	X									only	22
3		0935		X	SP-68 (16-17)		1	X										23
4		1040		X	SP-69 (12-13)		1	X										24
5		1130		X	SP-70 (6-7)		1	X										25
6		—		X	Field Duplicate 02		1	X										26
7		1315		X	SP-71 (3-4)		1	X										27
8		1405		X	SP-72 (9-10)		1	X										28
9		1525		X	SP-73 (6-7)		1	X										29
10				X	SP-74 (5-6) DUP Hold KRH 3/16/15		1	X										30

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	
Rush 2 day		Category B			
Rush 1 day					
Other please indicate:		Other please indicate:		Other EDD please indicate:	

Sampled By	Date/Time 3/13/15	1615
Relinquished By	Date/Time 3/13/15	1615
Received By	Date/Time 3/13/15	1615
Received @ Lab By	Date/Time	

Total Cost:

P.I.F.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	GZA	CLIENT:	SAME	
ADDRESS:	535 Washington St	ADDRESS:		Quotation #:
CITY:	Buffalo STATE: NY ZIP: 14203	CITY: STATE: ZIP:		
PHONE:	716-844-7044	PHONE:		Email: Todd.bown@GZA.com
ATTN:	Todd Bown	ATTN:		

PROJECT REFERENCE

Matrix Codes:
AQ - Aqueous Liquid; **NQ** - Non-Aqueous Liquid; **WA** - Water; **WG** - Groundwater; **DW** - Drinking Water; **WW** - Wastewater; **SO** - Soil; **SL** - Sludge; **SD** - Solid; **PT** - Paint; **WP** - Wipe; **CK** - Caulk; **OL** - Oil; **AR** - Air

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	8260										REMARKS	PARADIGM LAB SAMPLE NUMBER		
1	3-13-15	~		X	TRIP BLANK 31315	WA	1	X										chlorinated VOCs		3	1
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	
Rush 2 day		Category B			
Rush 1 day					
Other please indicate:		Other please indicate:		Other EDD please indicate:	

Sampled By	3/13/15 1615 Date/Time	Total Cost:
Relinquished By	3/13/15 1615 Date/Time	
Received By	3/13/15 1615 Date/Time	P.I.F.
Received @ Lab By	Date/Time	

Chain of Custody Supplement

Client: GZA

Completed by: KPH

Lab Project ID: 150827

Date: 3/16/15

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt Yes	No	N/A
Container Type		X 5035	
Comments	G1, G2		
Transferred to method-compliant container		X	
Headspace (<1 mL)	X TB		X SOIL
Comments			
Preservation	X TB		X SOIL
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		
Comments	3°C iced		
Sufficient Sample Quantity	X		
Comments			

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	SS-3-031015
Lab Order:	C1503039	**Tag Number:**	189,298
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	3.2	0.82		ug/m3	1	3/17/2015 10:12:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/17/2015 10:12:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 10:12:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 10:12:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 10:12:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 10:12:00 PM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	3/17/2015 10:12:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 10:12:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	3/17/2015 10:12:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 10:12:00 PM
Trichloroethene	1.2	0.81		ug/m3	1	3/17/2015 10:12:00 PM
Vinyl chloride	< 0.38	0.38		ug/m3	1	3/17/2015 10:12:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	IA-3-031015
Lab Order:	C1503039	**Tag Number:**	158,265
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 3:03:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/17/2015 3:03:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 3:03:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 3:03:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 3:03:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 3:03:00 PM
Carbon tetrachloride	0.69	0.25		ug/m3	1	3/17/2015 3:03:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 3:03:00 PM
Tetrachloroethylene	1.2	1.0		ug/m3	1	3/17/2015 3:03:00 PM
trans-1,2-Dichloroethene	5.4	0.59		ug/m3	1	3/17/2015 3:03:00 PM
Trichloroethene	< 0.21	0.21		ug/m3	1	3/17/2015 3:03:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	3/17/2015 3:03:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	SS-1-031015
Lab Order:	C1503039	**Tag Number:**	85,1165
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 10:50:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/17/2015 10:50:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 10:50:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 10:50:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 10:50:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 10:50:00 PM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	3/17/2015 10:50:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 10:50:00 PM
Tetrachloroethylene	2.0	1.0		ug/m3	1	3/17/2015 10:50:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 10:50:00 PM
Trichloroethene	0.97	0.81		ug/m3	1	3/17/2015 10:50:00 PM
Vinyl chloride	< 0.38	0.38		ug/m3	1	3/17/2015 10:50:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	IA-1-031015
Lab Order:	C1503039	**Tag Number:**	1187,279
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-004A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 3:40:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/17/2015 3:40:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 3:40:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 3:40:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 3:40:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 3:40:00 PM
Carbon tetrachloride	< 0.25	0.25		ug/m3	1	3/17/2015 3:40:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 3:40:00 PM
Tetrachloroethylene	1.8	1.0		ug/m3	1	3/17/2015 3:40:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 3:40:00 PM
Trichloroethene	0.43	0.21		ug/m3	1	3/17/2015 3:40:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	3/17/2015 3:40:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	SS-2-031015
Lab Order:	C1503039	**Tag Number:**	171,267
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-005A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	0.71	0.82	J	ug/m3	1	3/17/2015 11:28:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/17/2015 11:28:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 11:28:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 11:28:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 11:28:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 11:28:00 PM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	3/17/2015 11:28:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 11:28:00 PM
Tetrachloroethylene	2.6	1.0		ug/m3	1	3/17/2015 11:28:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 11:28:00 PM
Trichloroethene	4.3	0.81		ug/m3	1	3/17/2015 11:28:00 PM
Vinyl chloride	< 0.38	0.38		ug/m3	1	3/17/2015 11:28:00 PM

Qualifiers:

**	Reporting Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
JN	Non-routine analyte. Quantitation estimated.
S	Spike Recovery outside accepted recovery limits
.	Results reported are not blank corrected
E	Value above quantitation range
J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	IA-2-031015
Lab Order:	C1503039	**Tag Number:**	333,276
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-006A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 4:19:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/17/2015 4:19:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 4:19:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 4:19:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 4:19:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 4:19:00 PM
Carbon tetrachloride	0.63	0.25		ug/m3	1	3/17/2015 4:19:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 4:19:00 PM
Tetrachloroethylene	11	1.0		ug/m3	1	3/17/2015 4:19:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 4:19:00 PM
Trichloroethene	< 0.21	0.21		ug/m3	1	3/17/2015 4:19:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	3/17/2015 4:19:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	SS-4-031015
Lab Order:	C1503039	**Tag Number:**	1185,1163
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-007A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/18/2015 12:08:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/18/2015 12:08:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/18/2015 12:08:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/18/2015 12:08:00 AM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 12:08:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/18/2015 12:08:00 AM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	3/18/2015 12:08:00 AM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 12:08:00 AM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	3/18/2015 12:08:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 12:08:00 AM
Trichloroethene	1.5	0.81		ug/m3	1	3/18/2015 12:08:00 AM
Vinyl chloride	< 0.38	0.38		ug/m3	1	3/18/2015 12:08:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	IA-4-031015
Lab Order:	C1503039	**Tag Number:**	232,262
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-008A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 4:56:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/17/2015 4:56:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 4:56:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 4:56:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 4:56:00 PM
1,2-Dichloroethane	0.57	0.61	J	ug/m3	1	3/17/2015 4:56:00 PM
Carbon tetrachloride	0.57	0.25		ug/m3	1	3/17/2015 4:56:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 4:56:00 PM
Tetrachloroethylene	2.2	1.0		ug/m3	1	3/17/2015 4:56:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 4:56:00 PM
Trichloroethene	0.54	0.21		ug/m3	1	3/17/2015 4:56:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	3/17/2015 4:56:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	SS-5-031015
Lab Order:	C1503039	**Tag Number:**	93,1167
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-009A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/18/2015 12:48:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/18/2015 12:48:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/18/2015 12:48:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/18/2015 12:48:00 AM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 12:48:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/18/2015 12:48:00 AM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	3/18/2015 12:48:00 AM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 12:48:00 AM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	3/18/2015 12:48:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 12:48:00 AM
Trichloroethene	0.86	0.81		ug/m3	1	3/18/2015 12:48:00 AM
Vinyl chloride	< 0.38	0.38		ug/m3	1	3/18/2015 12:48:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	IA-5-031015
Lab Order:	C1503039	**Tag Number:**	200,309
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-010A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 5:33:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/17/2015 5:33:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 5:33:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 5:33:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 5:33:00 PM
1,2-Dichloroethane	2.3	0.61		ug/m3	1	3/17/2015 5:33:00 PM
Carbon tetrachloride	0.63	0.25		ug/m3	1	3/17/2015 5:33:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 5:33:00 PM
Tetrachloroethylene	1.1	1.0		ug/m3	1	3/17/2015 5:33:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 5:33:00 PM
Trichloroethene	< 0.21	0.21		ug/m3	1	3/17/2015 5:33:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	3/17/2015 5:33:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	DUPE-IA-031015
Lab Order:	C1503039	**Tag Number:**	1186,309
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-011A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 6:11:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/17/2015 6:11:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 6:11:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 6:11:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 6:11:00 PM
1,2-Dichloroethane	2.1	0.61		ug/m3	1	3/17/2015 6:11:00 PM
Carbon tetrachloride	0.63	0.25		ug/m3	1	3/17/2015 6:11:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 6:11:00 PM
Tetrachloroethylene	1.1	1.0		ug/m3	1	3/17/2015 6:11:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 6:11:00 PM
Trichloroethene	0.32	0.21		ug/m3	1	3/17/2015 6:11:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	3/17/2015 6:11:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	SS-6A-031015
Lab Order:	C1503039	**Tag Number:**	1190,277
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-012A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/18/2015 1:26:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/18/2015 1:26:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/18/2015 1:26:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/18/2015 1:26:00 AM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 1:26:00 AM
1,2-Dichloroethane	3.1	0.61		ug/m3	1	3/18/2015 1:26:00 AM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	3/18/2015 1:26:00 AM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 1:26:00 AM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	3/18/2015 1:26:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 1:26:00 AM
Trichloroethene	0.59	0.81	J	ug/m3	1	3/18/2015 1:26:00 AM
Vinyl chloride	< 0.38	0.38		ug/m3	1	3/18/2015 1:26:00 AM

Qualifiers:

**	Reporting Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
JN	Non-routine analyte. Quantitation estimated.
S	Spike Recovery outside accepted recovery limits
.	Results reported are not blank corrected
E	Value above quantitation range
J	Analyte detected at or below quantitation limits
ND	Not Detected at the Reporting Limit

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	IA-6-031015
Lab Order:	C1503039	**Tag Number:**	364,1169
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-013A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 6:49:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/17/2015 6:49:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 6:49:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 6:49:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 6:49:00 PM
1,2-Dichloroethane	5.5	0.61		ug/m3	1	3/17/2015 6:49:00 PM
Carbon tetrachloride	0.63	0.25		ug/m3	1	3/17/2015 6:49:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 6:49:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	3/17/2015 6:49:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 6:49:00 PM
Trichloroethene	< 0.21	0.21		ug/m3	1	3/17/2015 6:49:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	3/17/2015 6:49:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	MS/MSD-031015
Lab Order:	C1503039	**Tag Number:**	1322,1154
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-014A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 8:07:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/17/2015 8:07:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 8:07:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 8:07:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 8:07:00 PM
1,2-Dichloroethane	6.9	0.61		ug/m3	1	3/17/2015 8:07:00 PM
Carbon tetrachloride	0.44	0.25		ug/m3	1	3/17/2015 8:07:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 8:07:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	3/17/2015 8:07:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 8:07:00 PM
Trichloroethene	< 0.21	0.21		ug/m3	1	3/17/2015 8:07:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	3/17/2015 8:07:00 PM

NOTES:
Samlpe shows possible high concetration of acetic acid.

Qualifiers:	**	Reporting Limit	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	OA-031015
Lab Order:	C1503039	**Tag Number:**	554,256
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-015A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 7:28:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/17/2015 7:28:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 7:28:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 7:28:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 7:28:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 7:28:00 PM
Carbon tetrachloride	0.69	0.25		ug/m3	1	3/17/2015 7:28:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 7:28:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	3/17/2015 7:28:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 7:28:00 PM
Trichloroethene	< 0.21	0.21		ug/m3	1	3/17/2015 7:28:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	3/17/2015 7:28:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	SS-6B-031015
Lab Order:	C1503039	**Tag Number:**	367,1168
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-016A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/18/2015 2:06:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/18/2015 2:06:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/18/2015 2:06:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/18/2015 2:06:00 AM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 2:06:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/18/2015 2:06:00 AM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	3/18/2015 2:06:00 AM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 2:06:00 AM
Tetrachloroethylene	0.88	1.0	J	ug/m3	1	3/18/2015 2:06:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 2:06:00 AM
Trichloroethene	0.64	0.81	J	ug/m3	1	3/18/2015 2:06:00 AM
Vinyl chloride	< 0.38	0.38		ug/m3	1	3/18/2015 2:06:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *19-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	TRIP BLANK
Lab Order:	C1503039	**Tag Number:**	564
Project:	Northtown Plaza	**Collection Date:**	3/10/2015
Lab ID:	C1503039-017A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 2:25:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/17/2015 2:25:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/17/2015 2:25:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 2:25:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 2:25:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/17/2015 2:25:00 PM
Carbon tetrachloride	< 0.25	0.25		ug/m3	1	3/17/2015 2:25:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 2:25:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	3/17/2015 2:25:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/17/2015 2:25:00 PM
Trichloroethene	< 0.21	0.21		ug/m3	1	3/17/2015 2:25:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	3/17/2015 2:25:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *20-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Soil Gas East
Lab Order:	C1503056	**Tag Number:**	316,293
Project:	Northtown Plaza	**Collection Date:**	3/13/2015
Lab ID:	C1503056-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/18/2015 2:44:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/18/2015 2:44:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/18/2015 2:44:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/18/2015 2:44:00 AM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 2:44:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/18/2015 2:44:00 AM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	3/18/2015 2:44:00 AM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 2:44:00 AM
Tetrachloroethylene	5.4	1.0		ug/m3	1	3/18/2015 2:44:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 2:44:00 AM
Trichloroethene	< 0.81	0.81		ug/m3	1	3/18/2015 2:44:00 AM
Vinyl chloride	< 0.38	0.38		ug/m3	1	3/18/2015 2:44:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *20-Mar-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Soil Gas West
Lab Order:	C1503056	**Tag Number:**	236,1172
Project:	Northtown Plaza	**Collection Date:**	3/13/2015
Lab ID:	C1503056-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/18/2015 3:22:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/18/2015 3:22:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/18/2015 3:22:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/18/2015 3:22:00 AM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 3:22:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/18/2015 3:22:00 AM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	3/18/2015 3:22:00 AM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 3:22:00 AM
Tetrachloroethylene	8.5	1.0		ug/m3	1	3/18/2015 3:22:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/18/2015 3:22:00 AM
Trichloroethene	< 0.81	0.81		ug/m3	1	3/18/2015 3:22:00 AM
Vinyl chloride	< 0.38	0.38		ug/m3	1	3/18/2015 3:22:00 AM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150857

Client: **GZA Geo Environmental of New York**

Project Reference: 31.0056687.30, Task 2/Sub Task 3

Sample Identifier:	MW-4-031715		
Lab Sample ID:	150857-01	**Date Sampled:**	3/17/2015
Matrix:	Groundwater	**Date Received:**	3/18/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		3/19/2015 17:04
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		3/19/2015 17:04
1,1,2-Trichloroethane	< 2.00	ug/L		3/19/2015 17:04
1,1-Dichloroethane	< 2.00	ug/L		3/19/2015 17:04
1,1-Dichloroethene	< 2.00	ug/L		3/19/2015 17:04
1,2-Dichlorobenzene	< 2.00	ug/L		3/19/2015 17:04
1,2-Dichloroethane	< 2.00	ug/L		3/19/2015 17:04
1,2-Dichloropropane	< 2.00	ug/L		3/19/2015 17:04
1,3-Dichlorobenzene	< 2.00	ug/L		3/19/2015 17:04
1,4-Dichlorobenzene	< 2.00	ug/L		3/19/2015 17:04
Bromodichloromethane	< 2.00	ug/L		3/19/2015 17:04
Bromoform	< 5.00	ug/L		3/19/2015 17:04
Bromomethane	< 2.00	ug/L		3/19/2015 17:04
Carbon Tetrachloride	< 2.00	ug/L		3/19/2015 17:04
Chlorobenzene	< 2.00	ug/L		3/19/2015 17:04
Chloroethane	< 2.00	ug/L		3/19/2015 17:04
Chloroform	< 2.00	ug/L		3/19/2015 17:04
Chloromethane	< 2.00	ug/L		3/19/2015 17:04
cis-1,2-Dichloroethene	< 2.00	ug/L		3/19/2015 17:04
cis-1,3-Dichloropropene	< 2.00	ug/L		3/19/2015 17:04
Dibromochloromethane	< 2.00	ug/L		3/19/2015 17:04
Methylene chloride	< 5.00	ug/L		3/19/2015 17:04
Tetrachloroethene	< 2.00	ug/L		3/19/2015 17:04
trans-1,2-Dichloroethene	< 2.00	ug/L		3/19/2015 17:04
trans-1,3-Dichloropropene	< 2.00	ug/L		3/19/2015 17:04
Trichloroethene	< 2.00	ug/L		3/19/2015 17:04
Trichlorofluoromethane	< 2.00	ug/L		3/19/2015 17:04

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150857

Client: **GZA Geo Environmental of New York**

Project Reference: 31.0056687.30, Task 2/Sub Task 3

Sample Identifier: MW-4-031715
Lab Sample ID: 150857-01 **Date Sampled:** 3/17/2015
Matrix: Groundwater **Date Received:** 3/18/2015

Vinyl chloride	< 2.00	ug/L			3/19/2015	17:04

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**105**	80.4 - 116		3/19/2015	17:04
4-Bromofluorobenzene	**95.8**	87 - 109		3/19/2015	17:04
Pentafluorobenzene	**100**	92.8 - 109		3/19/2015	17:04
Toluene-D8	**98.5**	92.1 - 107		3/19/2015	17:04

Method Reference(s): EPA 8260C
EPA 5030
Data File: x21097.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, March 20, 2015

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150857

Client: **GZA Geo Environmental of New York**

Project Reference: 31.0056687.30, Task 2/Sub Task 3

Sample Identifier:	MW-6-031715		
Lab Sample ID:	150857-02	**Date Sampled:**	3/17/2015
Matrix:	Groundwater	**Date Received:**	3/18/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 400	ug/L		3/20/2015 11:32
1,1,2,2-Tetrachloroethane	< 400	ug/L		3/20/2015 11:32
1,1,2-Trichloroethane	< 400	ug/L		3/20/2015 11:32
1,1-Dichloroethane	< 400	ug/L		3/20/2015 11:32
1,1-Dichloroethene	< 400	ug/L		3/20/2015 11:32
1,2-Dichlorobenzene	< 400	ug/L		3/20/2015 11:32
1,2-Dichloroethane	< 400	ug/L		3/20/2015 11:32
1,2-Dichloropropane	< 400	ug/L		3/20/2015 11:32
1,3-Dichlorobenzene	< 400	ug/L		3/20/2015 11:32
1,4-Dichlorobenzene	< 400	ug/L		3/20/2015 11:32
Bromodichloromethane	< 400	ug/L		3/20/2015 11:32
Bromoform	< 1000	ug/L		3/20/2015 11:32
Bromomethane	< 400	ug/L		3/20/2015 11:32
Carbon Tetrachloride	< 400	ug/L		3/20/2015 11:32
Chlorobenzene	< 400	ug/L		3/20/2015 11:32
Chloroethane	< 400	ug/L		3/20/2015 11:32
Chloroform	< 400	ug/L		3/20/2015 11:32
Chloromethane	< 400	ug/L		3/20/2015 11:32
cis-1,2-Dichloroethene	**2080**	ug/L		3/20/2015 11:32
cis-1,3-Dichloropropene	< 400	ug/L		3/20/2015 11:32
Dibromochloromethane	< 400	ug/L		3/20/2015 11:32
Methylene chloride	< 1000	ug/L		3/20/2015 11:32
Tetrachloroethene	**21700**	ug/L		3/20/2015 11:32
trans-1,2-Dichloroethene	< 400	ug/L		3/20/2015 11:32
trans-1,3-Dichloropropene	< 400	ug/L		3/20/2015 11:32
Trichloroethene	**2690**	ug/L		3/20/2015 11:32
Trichlorofluoromethane	< 400	ug/L		3/20/2015 11:32

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, March 20, 2015

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150857

Client: **GZA Geo Environmental of New York**

Project Reference: 31.0056687.30, Task 2/Sub Task 3

Sample Identifier: MW-6-031715
Lab Sample ID: 150857-02 **Date Sampled:** 3/17/2015
Matrix: Groundwater **Date Received:** 3/18/2015

Vinyl chloride	< 400	ug/L			3/20/2015	11:32

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**107**	80.4 - 116		3/20/2015	11:32
4-Bromofluorobenzene	**97.8**	87 - 109		3/20/2015	11:32
Pentafluorobenzene	**99.0**	92.8 - 109		3/20/2015	11:32
Toluene-D8	**97.0**	92.1 - 107		3/20/2015	11:32

Method Reference(s): EPA 8260C
EPA 5030
Data File: x21148.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, March 20, 2015

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150857

Client: **GZA Geo Environmental of New York**

Project Reference: 31.0056687.30, Task 2/Sub Task 3

Sample Identifier:	MW-7-031715		
Lab Sample ID:	150857-03	**Date Sampled:**	3/17/2015
Matrix:	Groundwater	**Date Received:**	3/18/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 400	ug/L		3/20/2015 11:56
1,1,2,2-Tetrachloroethane	< 400	ug/L		3/20/2015 11:56
1,1,2-Trichloroethane	< 400	ug/L		3/20/2015 11:56
1,1-Dichloroethane	< 400	ug/L		3/20/2015 11:56
1,1-Dichloroethene	< 400	ug/L		3/20/2015 11:56
1,2-Dichlorobenzene	< 400	ug/L		3/20/2015 11:56
1,2-Dichloroethane	< 400	ug/L		3/20/2015 11:56
1,2-Dichloropropane	< 400	ug/L		3/20/2015 11:56
1,3-Dichlorobenzene	< 400	ug/L		3/20/2015 11:56
1,4-Dichlorobenzene	< 400	ug/L		3/20/2015 11:56
Bromodichloromethane	< 400	ug/L		3/20/2015 11:56
Bromoform	< 1000	ug/L		3/20/2015 11:56
Bromomethane	< 400	ug/L		3/20/2015 11:56
Carbon Tetrachloride	< 400	ug/L		3/20/2015 11:56
Chlorobenzene	< 400	ug/L		3/20/2015 11:56
Chloroethane	< 400	ug/L		3/20/2015 11:56
Chloroform	< 400	ug/L		3/20/2015 11:56
Chloromethane	< 400	ug/L		3/20/2015 11:56
cis-1,2-Dichloroethene	**389**	ug/L	J	3/20/2015 11:56
cis-1,3-Dichloropropene	< 400	ug/L		3/20/2015 11:56
Dibromochloromethane	< 400	ug/L		3/20/2015 11:56
Methylene chloride	< 1000	ug/L		3/20/2015 11:56
Tetrachloroethene	**31900**	ug/L		3/20/2015 11:56
trans-1,2-Dichloroethene	< 400	ug/L		3/20/2015 11:56
trans-1,3-Dichloropropene	< 400	ug/L		3/20/2015 11:56
Trichloroethene	< 400	ug/L		3/20/2015 11:56
Trichlorofluoromethane	< 400	ug/L		3/20/2015 11:56

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150857

Client: **GZA Geo Environmental of New York**

Project Reference: 31.0056687.30, Task 2/Sub Task 3

Sample Identifier: MW-7-031715
Lab Sample ID: 150857-03 **Date Sampled:** 3/17/2015
Matrix: Groundwater **Date Received:** 3/18/2015

Vinyl chloride	< 400	ug/L			3/20/2015	11:56

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**104**	80.4 - 116		3/20/2015	11:56
4-Bromofluorobenzene	**100**	87 - 109		3/20/2015	11:56
Pentafluorobenzene	**99.3**	92.8 - 109		3/20/2015	11:56
Toluene-D8	**97.6**	92.1 - 107		3/20/2015	11:56

Method Reference(s): EPA 8260C
EPA 5030
Data File: x21149.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, March 20, 2015

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150857

Client: **GZA Geo Environmental of New York**

Project Reference: 31.0056687.30, Task 2/Sub Task 3

Sample Identifier:	Dup-031715		
Lab Sample ID:	150857-04	**Date Sampled:**	3/17/2015
Matrix:	Groundwater	**Date Received:**	3/18/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 400	ug/L		3/20/2015 12:20
1,1,2,2-Tetrachloroethane	< 400	ug/L		3/20/2015 12:20
1,1,2-Trichloroethane	< 400	ug/L		3/20/2015 12:20
1,1-Dichloroethane	< 400	ug/L		3/20/2015 12:20
1,1-Dichloroethene	< 400	ug/L		3/20/2015 12:20
1,2-Dichlorobenzene	< 400	ug/L		3/20/2015 12:20
1,2-Dichloroethane	< 400	ug/L		3/20/2015 12:20
1,2-Dichloropropane	< 400	ug/L		3/20/2015 12:20
1,3-Dichlorobenzene	< 400	ug/L		3/20/2015 12:20
1,4-Dichlorobenzene	< 400	ug/L		3/20/2015 12:20
Bromodichloromethane	< 400	ug/L		3/20/2015 12:20
Bromoform	< 1000	ug/L		3/20/2015 12:20
Bromomethane	< 400	ug/L		3/20/2015 12:20
Carbon Tetrachloride	< 400	ug/L		3/20/2015 12:20
Chlorobenzene	< 400	ug/L		3/20/2015 12:20
Chloroethane	< 400	ug/L		3/20/2015 12:20
Chloroform	< 400	ug/L		3/20/2015 12:20
Chloromethane	< 400	ug/L		3/20/2015 12:20
cis-1,2-Dichloroethene	**2960**	ug/L		3/20/2015 12:20
cis-1,3-Dichloropropene	< 400	ug/L		3/20/2015 12:20
Dibromochloromethane	< 400	ug/L		3/20/2015 12:20
Methylene chloride	< 1000	ug/L		3/20/2015 12:20
Tetrachloroethene	**18500**	ug/L		3/20/2015 12:20
trans-1,2-Dichloroethene	< 400	ug/L		3/20/2015 12:20
trans-1,3-Dichloropropene	< 400	ug/L		3/20/2015 12:20
Trichloroethene	**2510**	ug/L		3/20/2015 12:20
Trichlorofluoromethane	< 400	ug/L		3/20/2015 12:20

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 150857

Client: **GZA Geo Environmental of New York**

Project Reference: 31.0056687.30, Task 2/Sub Task 3

Sample Identifier: Dup-031715
Lab Sample ID: 150857-04 **Date Sampled:** 3/17/2015
Matrix: Groundwater **Date Received:** 3/18/2015

Vinyl chloride	< 400	ug/L			3/20/2015	12:20

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**103**	80.4 - 116		3/20/2015	12:20
4-Bromofluorobenzene	**97.7**	87 - 109		3/20/2015	12:20
Pentafluorobenzene	**102**	92.8 - 109		3/20/2015	12:20
Toluene-D8	**96.6**	92.1 - 107		3/20/2015	12:20

Method Reference(s): EPA 8260C
EPA 5030
Data File: x21150.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	GZA GeoEnvironmental	CLIENT:		150657
ADDRESS:	535 Washington St	ADDRESS:		Quotation #:
CITY:	Buffalo STATE: NY ZIP: 14203	CITY:	STATE: ZIP:	
PHONE:	716-685-2300	PHONE:		Email: todd.bown@gza.com
ATTN:	Todd Bown	ATTN:		

PROJECT REFERENCE
31.0056687.30
Task 2/subtask 3

Matrix Codes:
AQ - Aqueous Liquid; **NQ** - Non-Aqueous Liquid; **WA** - Water; **WG** - Groundwater; **DW** - Drinking Water; **WW** - Wastewater; **SO** - Soil; **SL** - Sludge; **SD** - Solid; **PT** - Paint; **WP** - Wipe; **CK** - Caulk; **OL** - Oil; **AR** - Air

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	8260 - Chlorinated only	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	3/17/15	0830		X	MW-4-031715	WG	2	X		01
2	3/17/15	0930		X	MW-6-031715	WG	2	X	potentially "hot"	02
3	3/17/15	1000		X	MW-7-031715	WG	2	X	potentially "hot"	03
4	3/17/15			X	Dup-031715	WG	2	X		04
5	3/3/15				Trip Blank	V	1	X		05
6	per label									
7	mw 3/18/15									
8										
9										
10									2°C iced 3/18/15 1122 hrs mw	

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	☐	Batch QC	☐	Basic EDD	☐
Rush 3 day	☐	Category A	☐	NYSDEC EDD	☒
Rush 2 day	☒	Category B	☒		
Rush 1 day	☐				
Other please indicate:	☐	Other please indicate:	☐	Other EDD please indicate:	☐

No custody seals

Sampled By	1000/ 03/17/15 Date/Time	Total Cost:
Relinquished By	03/17/15 Date/Time	
Received By	03/17/15 Date/Time	P.I.F.
Received @ Lab By	3/18/15 Date/Time 1130	

PARADIGM

Chain of Custody Supplement

Client: GZA

Completed by: [illegible signature]

Lab Project ID: 150857

Date: 3/18/15

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

NELAC compliance with the sample condition requirements upon receipt

Condition	Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X		
Comments			
Preservation	X		
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		
Comments: 2°C iced 3/18/15 1122 hrs w/ no custody seals no bottle certs. client used their vials			
Sufficient Sample Quantity	X		
Comments			

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 151551

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza Site 31.0056687.30 Task 9999

Sample Identifier:	MW-9-042715		
Lab Sample ID:	151551-01	**Date Sampled:**	4/27/2015
Matrix:	Water	**Date Received:**	4/28/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		4/28/2015 13:11
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		4/28/2015 13:11
1,1,2-Trichloroethane	< 2.00	ug/L		4/28/2015 13:11
1,1-Dichloroethane	< 2.00	ug/L		4/28/2015 13:11
1,1-Dichloroethene	< 2.00	ug/L		4/28/2015 13:11
1,2-Dichlorobenzene	< 2.00	ug/L		4/28/2015 13:11
1,2-Dichloroethane	< 2.00	ug/L		4/28/2015 13:11
1,2-Dichloropropane	< 2.00	ug/L		4/28/2015 13:11
1,3-Dichlorobenzene	< 2.00	ug/L		4/28/2015 13:11
1,4-Dichlorobenzene	< 2.00	ug/L		4/28/2015 13:11
Bromodichloromethane	< 2.00	ug/L		4/28/2015 13:11
Bromoform	< 5.00	ug/L		4/28/2015 13:11
Bromomethane	< 2.00	ug/L		4/28/2015 13:11
Carbon Tetrachloride	< 2.00	ug/L		4/28/2015 13:11
Chlorobenzene	< 2.00	ug/L		4/28/2015 13:11
Chloroethane	< 2.00	ug/L		4/28/2015 13:11
Chloroform	< 2.00	ug/L		4/28/2015 13:11
Chloromethane	< 2.00	ug/L		4/28/2015 13:11
cis-1,2-Dichloroethene	< 2.00	ug/L		4/28/2015 13:11
cis-1,3-Dichloropropene	< 2.00	ug/L		4/28/2015 13:11
Dibromochloromethane	< 2.00	ug/L		4/28/2015 13:11
Methylene chloride	< 5.00	ug/L		4/28/2015 13:11
Tetrachloroethene	< 2.00	ug/L		4/28/2015 13:11
trans-1,2-Dichloroethene	< 2.00	ug/L		4/28/2015 13:11
trans-1,3-Dichloropropene	< 2.00	ug/L		4/28/2015 13:11
Trichloroethene	< 2.00	ug/L		4/28/2015 13:11
Trichlorofluoromethane	< 2.00	ug/L		4/28/2015 13:11

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 151551

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza Site 31.0056687.30 Task 9999

Sample Identifier: MW-9-042715
Lab Sample ID: 151551-01 **Date Sampled:** 4/27/2015
Matrix: Water **Date Received:** 4/28/2015

Vinyl chloride	< 2.00	ug/L			4/28/2015 13:11

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**101**	82.3 - 115		4/28/2015 13:11
4-Bromofluorobenzene	**92.2**	85.5 - 111		4/28/2015 13:11
Pentafluorobenzene	**98.7**	91.2 - 107		4/28/2015 13:11
Toluene-D8	**94.9**	90.9 - 108		4/28/2015 13:11

Method Reference(s): EPA 8260C
EPA 5030
Data File: x22247.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, April 28, 2015

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 151551

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza Site 31.0056687.30 Task 9999

Sample Identifier:	DUP-1-042715, Duplicate		
Lab Sample ID:	151551-02	**Date Sampled:**	4/27/2015
Matrix:	Water	**Date Received:**	4/28/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		4/28/2015 12:47
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		4/28/2015 12:47
1,1,2-Trichloroethane	< 2.00	ug/L		4/28/2015 12:47
1,1-Dichloroethane	< 2.00	ug/L		4/28/2015 12:47
1,1-Dichloroethene	< 2.00	ug/L		4/28/2015 12:47
1,2-Dichlorobenzene	< 2.00	ug/L		4/28/2015 12:47
1,2-Dichloroethane	< 2.00	ug/L		4/28/2015 12:47
1,2-Dichloropropane	< 2.00	ug/L		4/28/2015 12:47
1,3-Dichlorobenzene	< 2.00	ug/L		4/28/2015 12:47
1,4-Dichlorobenzene	< 2.00	ug/L		4/28/2015 12:47
Bromodichloromethane	< 2.00	ug/L		4/28/2015 12:47
Bromoform	< 5.00	ug/L		4/28/2015 12:47
Bromomethane	< 2.00	ug/L		4/28/2015 12:47
Carbon Tetrachloride	< 2.00	ug/L		4/28/2015 12:47
Chlorobenzene	< 2.00	ug/L		4/28/2015 12:47
Chloroethane	< 2.00	ug/L		4/28/2015 12:47
Chloroform	< 2.00	ug/L		4/28/2015 12:47
Chloromethane	< 2.00	ug/L		4/28/2015 12:47
cis-1,2-Dichloroethene	< 2.00	ug/L		4/28/2015 12:47
cis-1,3-Dichloropropene	< 2.00	ug/L		4/28/2015 12:47
Dibromochloromethane	< 2.00	ug/L		4/28/2015 12:47
Methylene chloride	< 5.00	ug/L		4/28/2015 12:47
Tetrachloroethene	< 2.00	ug/L		4/28/2015 12:47
trans-1,2-Dichloroethene	< 2.00	ug/L		4/28/2015 12:47
trans-1,3-Dichloropropene	< 2.00	ug/L		4/28/2015 12:47
Trichloroethene	< 2.00	ug/L		4/28/2015 12:47
Trichlorofluoromethane	< 2.00	ug/L		4/28/2015 12:47

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 151551

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza Site 31.0056687.30 Task 9999

Sample Identifier: DUP-1-042715, Duplicate
Lab Sample ID: 151551-02 **Date Sampled:** 4/27/2015
Matrix: Water **Date Received:** 4/28/2015

Vinyl chloride	< 2.00	ug/L			4/28/2015	12:47

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**98.7**	82.3 - 115		4/28/2015	12:47
4-Bromofluorobenzene	**88.8**	85.5 - 111		4/28/2015	12:47
Pentafluorobenzene	**101**	91.2 - 107		4/28/2015	12:47
Toluene-D8	**95.3**	90.9 - 108		4/28/2015	12:47

Method Reference(s): EPA 8260C
EPA 5030
Data File: x22246.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 151551

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza Site 31.0056687.30 Task 9999

Sample Identifier:	MW-8-042715		
Lab Sample ID:	151551-03	**Date Sampled:**	4/27/2015
Matrix:	Water	**Date Received:**	4/28/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		4/28/2015 12:23
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		4/28/2015 12:23
1,1,2-Trichloroethane	< 2.00	ug/L		4/28/2015 12:23
1,1-Dichloroethane	< 2.00	ug/L		4/28/2015 12:23
1,1-Dichloroethene	< 2.00	ug/L		4/28/2015 12:23
1,2-Dichlorobenzene	< 2.00	ug/L		4/28/2015 12:23
1,2-Dichloroethane	< 2.00	ug/L		4/28/2015 12:23
1,2-Dichloropropane	< 2.00	ug/L		4/28/2015 12:23
1,3-Dichlorobenzene	< 2.00	ug/L		4/28/2015 12:23
1,4-Dichlorobenzene	< 2.00	ug/L		4/28/2015 12:23
Bromodichloromethane	< 2.00	ug/L		4/28/2015 12:23
Bromoform	< 5.00	ug/L		4/28/2015 12:23
Bromomethane	< 2.00	ug/L		4/28/2015 12:23
Carbon Tetrachloride	< 2.00	ug/L		4/28/2015 12:23
Chlorobenzene	< 2.00	ug/L		4/28/2015 12:23
Chloroethane	< 2.00	ug/L		4/28/2015 12:23
Chloroform	< 2.00	ug/L		4/28/2015 12:23
Chloromethane	< 2.00	ug/L		4/28/2015 12:23
cis-1,2-Dichloroethene	< 2.00	ug/L		4/28/2015 12:23
cis-1,3-Dichloropropene	< 2.00	ug/L		4/28/2015 12:23
Dibromochloromethane	< 2.00	ug/L		4/28/2015 12:23
Methylene chloride	< 5.00	ug/L		4/28/2015 12:23
Tetrachloroethene	< 2.00	ug/L		4/28/2015 12:23
trans-1,2-Dichloroethene	< 2.00	ug/L		4/28/2015 12:23
trans-1,3-Dichloropropene	< 2.00	ug/L		4/28/2015 12:23
Trichloroethene	< 2.00	ug/L		4/28/2015 12:23
Trichlorofluoromethane	< 2.00	ug/L		4/28/2015 12:23

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 151551

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza Site 31.0056687.30 Task 9999

Sample Identifier: MW-8-042715
Lab Sample ID: 151551-03 **Date Sampled:** 4/27/2015
Matrix: Water **Date Received:** 4/28/2015

Vinyl chloride	< 2.00	ug/L			4/28/2015 12:23

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**96.0**	82.3 - 115		4/28/2015 12:23
4-Bromofluorobenzene	**93.0**	85.5 - 111		4/28/2015 12:23
Pentafluorobenzene	**98.6**	91.2 - 107		4/28/2015 12:23
Toluene-D8	**94.6**	90.9 - 108		4/28/2015 12:23

Method Reference(s): EPA 8260C
EPA 5030
Data File: x22245.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, April 28, 2015

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 151551

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza Site 31.0056687.30 Task 9999

Sample Identifier:	TB-1-042715, Trip Blank		
Lab Sample ID:	151551-04	**Date Sampled:**	4/27/2015
Matrix:	Water	**Date Received:**	4/28/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		4/28/2015 12:00
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		4/28/2015 12:00
1,1,2-Trichloroethane	< 2.00	ug/L		4/28/2015 12:00
1,1-Dichloroethane	< 2.00	ug/L		4/28/2015 12:00
1,1-Dichloroethene	< 2.00	ug/L		4/28/2015 12:00
1,2-Dichlorobenzene	< 2.00	ug/L		4/28/2015 12:00
1,2-Dichloroethane	< 2.00	ug/L		4/28/2015 12:00
1,2-Dichloropropane	< 2.00	ug/L		4/28/2015 12:00
1,3-Dichlorobenzene	< 2.00	ug/L		4/28/2015 12:00
1,4-Dichlorobenzene	< 2.00	ug/L		4/28/2015 12:00
Bromodichloromethane	< 2.00	ug/L		4/28/2015 12:00
Bromoform	< 5.00	ug/L		4/28/2015 12:00
Bromomethane	< 2.00	ug/L		4/28/2015 12:00
Carbon Tetrachloride	< 2.00	ug/L		4/28/2015 12:00
Chlorobenzene	< 2.00	ug/L		4/28/2015 12:00
Chloroethane	< 2.00	ug/L		4/28/2015 12:00
Chloroform	< 2.00	ug/L		4/28/2015 12:00
Chloromethane	< 2.00	ug/L		4/28/2015 12:00
cis-1,2-Dichloroethene	< 2.00	ug/L		4/28/2015 12:00
cis-1,3-Dichloropropene	< 2.00	ug/L		4/28/2015 12:00
Dibromochloromethane	< 2.00	ug/L		4/28/2015 12:00
Methylene chloride	< 5.00	ug/L		4/28/2015 12:00
Tetrachloroethene	< 2.00	ug/L		4/28/2015 12:00
trans-1,2-Dichloroethene	< 2.00	ug/L		4/28/2015 12:00
trans-1,3-Dichloropropene	< 2.00	ug/L		4/28/2015 12:00
Trichloroethene	< 2.00	ug/L		4/28/2015 12:00
Trichlorofluoromethane	< 2.00	ug/L		4/28/2015 12:00

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 151551

Client: **GZA Geo Environmental of New York**

Project Reference: Northtown Plaza Site 31.0056687.30 Task 9999

Sample Identifier: TB-1-042715, Trip Blank
Lab Sample ID: 151551-04 **Date Sampled:** 4/27/2015
Matrix: Water **Date Received:** 4/28/2015

Vinyl chloride	< 2.00	ug/L			4/28/2015	12:00
Surrogate	**Percent Recovery**		**Limits**	**Outliers**	**Date Analyzed**	
1,2-Dichloroethane-d4	**97.5**		82.3 - 115		4/28/2015	12:00
4-Bromofluorobenzene	**90.3**		85.5 - 111		4/28/2015	12:00
Pentafluorobenzene	**100**		91.2 - 107		4/28/2015	12:00
Toluene-D8	**94.0**		90.9 - 108		4/28/2015	12:00

Method Reference(s): EPA 8260C
EPA 5030
Data File: x22244.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, April 28, 2015

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM ENVIRONMENTAL SERVICES, INC

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	GZA GEOENVIRONMENTAL OF NY	CLIENT:	SAME AS	15151
ADDRESS:	535 WASHINGTON ST. 11TH FLOOR	ADDRESS:		Quotation #:
CITY:	BUFFALO STATE: N.Y ZIP: 14203	CITY: STATE: ZIP:		
PHONE:	716-844-7048	PHONE:		Email:
ATTN:	JAMES RICHERT	ATTN:		

PROJECT REFERENCE

Northtown Plaza Site
31.0056687.30 Task 9999
per JR 4/28/15

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	VOCs 8260 CHLORINATED COMPOUNDS ONLY	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	4/27/15	1037		X	MW-9-042715	WA	2	X		01
2	"	1040		X	DUP-1-042715	WA	2	X	DUPLICATE	02
3	"	1205		X	MW-8-042715	WA	2	X		03
4	"				TB-1-042715	WA	1		TRIP BLANK	04
5										
6										
7										
8										
9										
10										

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	☐	Batch QC	☐	Basic EDD	☐
Rush 3 day	☐	Category A	☐	NYSDEC EDD	☒ per JH/KH 4/28/15
Rush 2 day	☐	Category B	☒ per JH/KH 4/28/15		
Rush 1 day	☒				
Other please indicate:	☐	Other please indicate:	☐	Other EDD please indicate:	☐

Sampled By	Date/Time	4/27/15 12:05
Relinquished By	Date/Time	4/27/15 14:15
Received By	Date/Time	4/27/15 15:15
Received @ Lab By	Date/Time	4/28/15 09:29

Received 4/28/15 09:02

Total Cost:

P.I.F.

Chain of Custody Supplement

Client: GZA Geo Environmental Completed by: Glenn Pezzulo

Lab Project ID: 15155I Date: 4/28/15

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt: Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X		
Comments			
Preservation	X		
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		
Comments	5°C iced		
Sufficient Sample Quantity	X		
Comments			

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 151469

Client: **GZA Geo Environmental of New York**

Project Reference: 31.0056687.30 Task 9999

Sample Identifier:	MW-9-11-042215		
Lab Sample ID:	151469-01	**Date Sampled:**	4/22/2015
Matrix:	Soil	**Date Received:**	4/23/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.51	ug/Kg		4/23/2015 18:39
1,1,2,2-Tetrachloroethane	< 4.51	ug/Kg		4/23/2015 18:39
1,1,2-Trichloroethane	< 4.51	ug/Kg		4/23/2015 18:39
1,1-Dichloroethane	< 4.51	ug/Kg		4/23/2015 18:39
1,1-Dichloroethene	< 4.51	ug/Kg		4/23/2015 18:39
1,2-Dichlorobenzene	< 4.51	ug/Kg		4/23/2015 18:39
1,2-Dichloroethane	< 4.51	ug/Kg		4/23/2015 18:39
1,2-Dichloropropane	< 4.51	ug/Kg		4/23/2015 18:39
1,3-Dichlorobenzene	< 4.51	ug/Kg		4/23/2015 18:39
1,4-Dichlorobenzene	< 4.51	ug/Kg		4/23/2015 18:39
Bromodichloromethane	< 4.51	ug/Kg		4/23/2015 18:39
Bromoform	< 11.3	ug/Kg		4/23/2015 18:39
Bromomethane	< 4.51	ug/Kg		4/23/2015 18:39
Carbon Tetrachloride	< 4.51	ug/Kg		4/23/2015 18:39
Chlorobenzene	< 4.51	ug/Kg		4/23/2015 18:39
Chloroethane	< 4.51	ug/Kg		4/23/2015 18:39
Chloroform	< 4.51	ug/Kg		4/23/2015 18:39
Chloromethane	< 4.51	ug/Kg		4/23/2015 18:39
cis-1,2-Dichloroethene	< 4.51	ug/Kg		4/23/2015 18:39
cis-1,3-Dichloropropene	< 4.51	ug/Kg		4/23/2015 18:39
Dibromochloromethane	< 4.51	ug/Kg		4/23/2015 18:39
Methylene chloride	< 11.3	ug/Kg		4/23/2015 18:39
Tetrachloroethene	< 4.51	ug/Kg		4/23/2015 18:39
trans-1,2-Dichloroethene	< 4.51	ug/Kg		4/23/2015 18:39
trans-1,3-Dichloropropene	< 4.51	ug/Kg		4/23/2015 18:39
Trichloroethene	< 4.51	ug/Kg		4/23/2015 18:39
Trichlorofluoromethane	< 4.51	ug/Kg		4/23/2015 18:39

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 151469

Client: **GZA Geo Environmental of New York**

Project Reference: 31.0056687.30 Task 9999

Sample Identifier: MW-9-11-042215
Lab Sample ID: 151469-01 **Date Sampled:** 4/22/2015
Matrix: Soil **Date Received:** 4/23/2015

Vinyl chloride	< 4.51	ug/Kg			4/23/2015 18:39

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**105**	80.6 - 125		4/23/2015 18:39
4-Bromofluorobenzene	**88.0**	86.6 - 111		4/23/2015 18:39
Pentafluorobenzene	**96.5**	90.9 - 107		4/23/2015 18:39
Toluene-D8	**95.3**	90.8 - 109		4/23/2015 18:39

Method Reference(s): EPA 8260C
EPA 5035
Data File: x22141.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 151469

Client: **GZA Geo Environmental of New York**

Project Reference: 31.0056687.30 Task 9999

Sample Identifier:	MW-8-14-042215		
Lab Sample ID:	151469-02	**Date Sampled:**	4/22/2015
Matrix:	Soil	**Date Received:**	4/23/2015

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.21	ug/Kg		4/23/2015 19:03
1,1,2,2-Tetrachloroethane	< 4.21	ug/Kg		4/23/2015 19:03
1,1,2-Trichloroethane	< 4.21	ug/Kg		4/23/2015 19:03
1,1-Dichloroethane	< 4.21	ug/Kg		4/23/2015 19:03
1,1-Dichloroethene	< 4.21	ug/Kg		4/23/2015 19:03
1,2-Dichlorobenzene	< 4.21	ug/Kg		4/23/2015 19:03
1,2-Dichloroethane	< 4.21	ug/Kg		4/23/2015 19:03
1,2-Dichloropropane	< 4.21	ug/Kg		4/23/2015 19:03
1,3-Dichlorobenzene	< 4.21	ug/Kg		4/23/2015 19:03
1,4-Dichlorobenzene	< 4.21	ug/Kg		4/23/2015 19:03
Bromodichloromethane	< 4.21	ug/Kg		4/23/2015 19:03
Bromoform	< 10.5	ug/Kg		4/23/2015 19:03
Bromomethane	< 4.21	ug/Kg		4/23/2015 19:03
Carbon Tetrachloride	< 4.21	ug/Kg		4/23/2015 19:03
Chlorobenzene	< 4.21	ug/Kg		4/23/2015 19:03
Chloroethane	< 4.21	ug/Kg		4/23/2015 19:03
Chloroform	< 4.21	ug/Kg		4/23/2015 19:03
Chloromethane	< 4.21	ug/Kg		4/23/2015 19:03
cis-1,2-Dichloroethene	< 4.21	ug/Kg		4/23/2015 19:03
cis-1,3-Dichloropropene	< 4.21	ug/Kg		4/23/2015 19:03
Dibromochloromethane	< 4.21	ug/Kg		4/23/2015 19:03
Methylene chloride	< 10.5	ug/Kg		4/23/2015 19:03
Tetrachloroethene	< 4.21	ug/Kg		4/23/2015 19:03
trans-1,2-Dichloroethene	< 4.21	ug/Kg		4/23/2015 19:03
trans-1,3-Dichloropropene	< 4.21	ug/Kg		4/23/2015 19:03
Trichloroethene	< 4.21	ug/Kg		4/23/2015 19:03
Trichlorofluoromethane	< 4.21	ug/Kg		4/23/2015 19:03

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 151469

Client: **GZA Geo Environmental of New York**

Project Reference: 31.0056687.30 Task 9999

Sample Identifier: MW-8-14-042215
Lab Sample ID: 151469-02 **Date Sampled:** 4/22/2015
Matrix: Soil **Date Received:** 4/23/2015

Vinyl chloride	< 4.21	ug/Kg			4/23/2015 19:03

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**106**	80.6 - 125		4/23/2015 19:03
4-Bromofluorobenzene	**90.5**	86.6 - 111		4/23/2015 19:03
Pentafluorobenzene	**96.8**	90.9 - 107		4/23/2015 19:03
Toluene-D8	**95.7**	90.8 - 109		4/23/2015 19:03

Method Reference(s): EPA 8260C
EPA 5035
Data File: x22142.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	GZA GeoEnvironmental	CLIENT:		151469
ADDRESS:	535 Washington St.	ADDRESS:		Quotation #: see other Northtown Work
CITY:	Buffalo STATE: NY ZIP: 14203	CITY: →	STATE: ZIP:	Email: james.richert@gza.com
PHONE:	716-685-2300	PHONE:		todd.lawn@gza.com
ATTN:	J. Richert / T. Bohlen	ATTN:		

PROJECT REFERENCE
31005668 7.30
Task 9999

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	VOC 8260 - chlorinated compounds only	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	4/22/15	10:30		X	MW-9-11-042215	SD	1	X	*Chlorinated compounds only* -both samples ~0.0ppm headspace	01
2	↓	12:12		X	MW-8-14-042215	↓	1	X		02
3										
4										
5										
6										
7										
8										
9										
10										

Turnaround Time		Report Supplements		
Availability contingent upon lab approval; additional fees may apply.				
Standard 5 day	☐	Batch QC	☐	Basic EDD ☐
Rush 3 day NO	☒	Category A	☐	NYSDEC EDD ☒
Rush 2 day	☐	Category B	☑	
Rush 1 day	☒			
Other please indicate: *One-Day Turn	☐	Other please indicate:	☐	Other EDD please indicate: ☐

Thomas Bohlen	4/22/15	Total Cost:
Sampled By	Date/Time	
Thomas Bohlen	4/22/15 / 5:30	
Relinquished By	Date/Time	
	4/22/15 5:30	P.I.F.
Received By	Date/Time	
	4/23/15 09:45	
Received @ Lab By	Date/Time	

6°C iced 4/23/15 09:05

No Custody Seals on cooler, shipped via UPS. GP 4/23/15

Chain of Custody Supplement

Client: GZA Geo Environmental **Completed by:** Glenn Pezzulo

Lab Project ID: 151469 **Date:** 4/23/15

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	*NELAC compliance with the sample condition requirements upon receipt* Yes	No	N/A
Container Type	X	X So35	
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)			X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		
Comments	6°C iced		
Sufficient Sample Quantity	X		
Comments			

Centek Laboratories, LLC

Date: *22-Apr-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	TA-SS-042015
Lab Order:	C1504069	**Tag Number:**	95,301
Project:	Total Automotive	**Collection Date:**	4/20/2015
Lab ID:	C1504069-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	4/21/2015 2:58:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	4/21/2015 2:58:00 PM
1,1,2-Trichloroethane	8.7	0.82		ug/m3	1	4/21/2015 2:58:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	4/21/2015 2:58:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	4/21/2015 2:58:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	4/21/2015 2:58:00 PM
Carbon tetrachloride	0.75	0.94	J	ug/m3	1	4/21/2015 2:58:00 PM
cis-1,2-Dichloroethene	430	160		ug/m3	270	4/21/2015 4:14:00 PM
Tetrachloroethylene	2500	270		ug/m3	270	4/21/2015 4:14:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	4/21/2015 2:58:00 PM
Trichloroethene	2000	210		ug/m3	270	4/21/2015 4:14:00 PM
Vinyl chloride	0.66	0.38		ug/m3	1	4/21/2015 2:58:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Apr-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	TA-IA-042015
Lab Order:	C1504069	**Tag Number:**	1186,1168
Project:	Total Automotive	**Collection Date:**	4/20/2015
Lab ID:	C1504069-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	4/21/2015 1:42:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	4/21/2015 1:42:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	4/21/2015 1:42:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	4/21/2015 1:42:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	4/21/2015 1:42:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	4/21/2015 1:42:00 PM
Carbon tetrachloride	0.69	0.25		ug/m3	1	4/21/2015 1:42:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	4/21/2015 1:42:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	4/21/2015 1:42:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	4/21/2015 1:42:00 PM
Trichloroethene	< 0.21	0.21		ug/m3	1	4/21/2015 1:42:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	4/21/2015 1:42:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Apr-15*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	TA-OA-042015
Lab Order:	C1504069	**Tag Number:**	366,1157
Project:	Total Automotive	**Collection Date:**	4/20/2015
Lab ID:	C1504069-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	4/21/2015 2:20:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	4/21/2015 2:20:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	4/21/2015 2:20:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	4/21/2015 2:20:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	4/21/2015 2:20:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	4/21/2015 2:20:00 PM
Carbon tetrachloride	0.94	0.25		ug/m3	1	4/21/2015 2:20:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	4/21/2015 2:20:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	4/21/2015 2:20:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	4/21/2015 2:20:00 PM
Trichloroethene	< 0.21	0.21		ug/m3	1	4/21/2015 2:20:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	4/21/2015 2:20:00 PM

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Northtown Plaza

Centek Chain of Custody

Centek Laboratories

143 Midler Park Drive
Syracuse, NY 13206
315-431-9730
www.CentekLabs.com

Vapor Intrusion & IAQ

Site Name: Total Automotive
Project: 31.0056687.30 TASK 9999
PO#:
Quote # Q-SP / BD / 4988
Other:

Detection Limit		Report Level	
☐	5ppbv	☐	Level I
☒	1ug/M3	☐	Level II
☒	1ug/M3 +TCE .25	☐	Cat "B" Like

Turnaround Time:	Check One	Rush TAT Surcharge %	Due Date:
5 Business Days	☐	0%	
4 Business Days	☐	25%	
3 Business Days	☐	50%	
2 Business Days	☐	75%	
Next Day by 5pm	☒	100%	4/22/15
Next Day by Noon	☐	150%	
Same Day	☐	200%	

Company: GZA GeoEnvironmental
Report to:
Address: 535 Washington St
City, State, Zip Buffalo, NY 14203
Email: james.richert@gza.com
thomas.bohlen@gza.com
Phone: 716 685-2300

Company:
Check Here If Same: ☒
Invoice to:
Address:
City, State, Zip
Email:
Phone:

Sample ID	Date Sampled	Canister Number	Regulator Number	Analysis Request	Comments	Vacuum Start/Stop
TA-SS-042015	4/20/2015	95	301	TO-15 →	USE SELECT	<30" Hg / -5" Hg
TA-IA-042015	↓	1186	1168	"	LIST FROM	-29" Hg / -6.5" Hg
TA-OA-042015	↓	366	1157	↓	QUOTE C1930	-27" Hg / -5" Hg

Chain of Custody	Print Name	Signature	Date/Time	Courier: CIRCLE ONE
Sampled by: TB	Thomas Bohlen	Thomas Bohlen	4/20/15	FedEx (UPS) Pickup/(Dropoff)
Relinquished by: TB				For LAB USE ONLY
Received at Lab by:	Jon Scala	[signature]	4-21-15	Work Order # C1504069

*** By signing Centek Labs Chain of Custody, you are accepting Centek Labs Terms and Conditions listed on the reverse side.

APPENDIX E

LIMITATIONS

GEOHYDROLOGICAL LIMITATIONS

Use of Report

1. GZA GeoEnvironmental, Inc. (GZA) prepared this report on behalf of, and for the exclusive use of our Client for the stated purpose(s) and location(s) identified in the Proposal for Services and/or Report. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not expressly identified in the agreement, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.

Standard of Care

2. GZA's findings and conclusions are based on the work conducted as part of the Scope of Services set forth in the Proposal for Services and/or Report and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. Conditions other than described in this report may be found at the subject location(s).

3. GZA's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made. Specifically, GZA does not and cannot represent that the Site contains no hazardous material, oil, or other latent condition beyond that observed by GZA during its study. Additionally, GZA makes no warranty that any response action or recommended action will achieve all of its objectives or that the findings of this study will be upheld by a local, state or federal agency.

4. In conducting our work, GZA relied upon certain information made available by public agencies, Client and/or others. GZA did not attempt to independently verify the accuracy or completeness of that information. Inconsistencies in this information which we have noted, if any, are discussed in the Report.

Subsurface Conditions

5. The generalized soil profile(s) provided in our Report are based on widely-spaced subsurface explorations and are intended only to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and were based on our assessment of subsurface conditions. The composition of strata, and the transitions between strata, may be more variable and more complex than indicated. For more specific information on soil conditions at a specific location refer to the exploration logs.

6. Water level readings have been made in test holes (as described in the Report) and monitoring wells at the specified times and under the stated conditions. These data have been reviewed and interpretations have been made in this report. Fluctuations in the level of the groundwater however occur due to temporal or spatial variations in areal recharge rates, soil heterogeneities, the presence of subsurface utilities, and/or natural or artificially induced perturbations. The observed water table may be other than indicated in the Report.

Compliance with Codes and Regulations

7. We used reasonable care in identifying and interpreting applicable codes and regulations necessary to execute our scope of work. These codes and regulations are subject to various, and possibly contradictory, interpretations. Interpretations and compliance with codes and regulations by other parties is beyond our control.

Screening and Analytical Testing

8. GZA collected environmental samples at the locations identified in the Report. These samples were analyzed for the specific parameters identified in the report. Additional constituents, for which analyses were not conducted, may be present in soil, groundwater, surface water, sediment and/or air. Future Site activities and uses may result in a requirement for additional testing.

9. Our interpretation of field screening and laboratory data is presented in the Report. Unless otherwise noted, we relied upon the laboratory's QA/QC program to validate these data.

10. Variations in the types and concentrations of contaminants observed at a given location or time may occur due to release mechanisms, disposal practices, changes in flow paths, and/or the influence of various physical, chemical, biological or radiological processes. Subsequently observed concentrations may be other than indicated in the Report.

Interpretation of Data

11. Our opinions are based on available information as described in the Report, and on our professional judgment. Additional observations made over time, and/or space, may not support the opinions provided in the Report.

Additional Information

12. In the event that the Client or others authorized to use this report obtain information on environmental or hazardous waste issues at the Site not contained in this report, such information shall be brought to GZA's attention forthwith. GZA will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this report.

Additional Services

13. GZA recommends that we be retained to provide services during any future investigations, design, implementation activities, construction, and/or property development/ redevelopment at the Site. This will allow us the opportunity to: i) observe conditions and compliance with our design concepts and opinions; ii) allow for changes in the event that conditions are other than anticipated; iii) provide modifications to our design; and iv) assess the consequences of changes in technologies and/or regulations.