PHASE II ENVIRONMENTAL SITE ASSESSMENT NORTHTOWN PLAZA SHERIDAN DRIVE, EGGERT ROAD, AND BAILEY AVENUE AMHERST, NEW YORK

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File No. 21.0056687.10

Mr. Andrew Manning
Project Manager, Development
Northtown Associates LLC
33 Boylston Street, Suite 3000
Chestnut Hill, Massachusetts
Via email: andrew.manning@wsdevelopment.com

Re: Phase II Environmental Site Assessment
Northtown Plaza
Sheridan Drive, Eggert Road, and Bailey Avenue
Amherst, New York

Dear Mr. Manning:

GZA GeoEnvironmental of New York (GZA) has prepared this report describing the results of our Phase II Environmental Site Assessment (Phase II ESA) at the above referenced Site. The Phase II ESA was completed to assess the suspect Recognized Environmental Conditions (RECs) identified in our report “Phase I Environmental Site Assessment, Northtown Plaza, Sheridan Drive, Eggert Road, and Bailey Avenue, Amherst, New York” dated September 2013.

The Phase II ESA has identified limited areas of historically impacted soil at the Site. Groundwater sampling did not indicate evidence of impact and the depth to groundwater is greater than 50 feet below ground surface (well below the bottom of impacted soil).

Limited areas of impacted soil have been identified in close proximity to two abandoned heating oil underground storage tanks (USTs) located on the southern and western portions of the Site. Because these USTs are no longer used, they will need to be removed or properly closed-in-place. Accessible soil impacts may be removed in conjunction with the UST closures. Samples collected to assess the impacted soils associated with the USTs were from the perimeter of visually stained area. The laboratory results did not indicate levels above Unrestricted Soil Cleanup Objectives in these samples.

There is also a limited area of soil impacted by tetrachloroethene (PCE) associated with former dry cleaner operations in the southwestern portion of the Site. PCE concentrations in two soil samples exceeded its respective Part 375 Commercial Soil Cleanup Objectives (CSCOs) and Industrial Soil Cleanup Objectives (ISCOs), which were from depths greater than 6 feet bgs. The other fifty samples analyzed were below the CSCOs.

Additional soil vapor intrusion evaluation and/or mitigation may be needed in the vacant former Manhattan Bagel units which adjoin the dry cleaner unit if the space is reoccupied.

Groundwater impacts were not identified and PCE is no longer used in the dry cleaner unit on-site.

No further action is recommended with respect to groundwater.

We trust this report satisfies your present needs. Should you have any questions or require additional information following your review, please do not hesitate to contact the undersigned.

Sincerely,

GZA GEOENVIRONMENTAL OF NEW YORK

Thomas Bohlen
Assistant Project Manager

for
Christopher Boron
Senior Project Manager

for
Charles D. Crealese
Principal/Project Reviewer

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1.00 INTRODUCTION

In accordance with our January 8, 2014, March 4, 2014 and May 2, 2014 proposals, GZA GeoEnvironmental of New York (GZA) performed a Phase II Environmental Site Assessment (Phase II ESA) at the Northtown Plaza located at Sheridan Drive, Eggert Road, and Bailey Avenue in Amherst, New York (Site) for Northtown Associates, LLC (Client). A Site/Investigation Location Plan is attached as Figure 1.

BACKGROUND

GZA completed a Phase I Environmental Site Assessment[1] at the Site that identified the following suspect Recognized Environmental Conditions (RECs).

- Two abandoned heating oil underground storage tanks (USTs) in the subsurface at the Site (suspect REC #1).

- Town of Amherst Building Department records indicate that at 4544 Bailey Avenue, three 3,000 gallon gasoline USTs and one 550-gallon waste oil tank were installed on the eastern portion of the Site. No closure documentation was identified in association with these tanks (suspect REC #2).

- Northtown Cleaners at 3077 Sheridan Drive was listed as a generator of hazardous waste in due to its historic use of chlorinated solvents (suspect REC#3).

- Total Automotive Inc. at the Site address of 2125 Eggert Road, was listed on the EDR US Hist Auto Stations database. Northtown Plaza Car Wash at 2125 Eggert Road was listed on the UST and HIST UST databases (PBS registration number 9-221295) for three (3), 8,000-gallon closed unleaded gasoline USTs that were reportedly removed on October 1, 1995. Closure documentation was provided from NYSDEC. We noted that limited samples were collected from the tank excavation. The results were non-detect (suspect REC #4).

- 2131 Eggert Road, which adjoins the Site to the west, was listed on the EDR US Hist Auto Stations database. Auto Pro Center was listed from 1999 through 2000, Colden Auto Collision in 2001, and AAA Car Care in 2011 and 2012 (suspect REC #5).

- 2040 Eggert Road, which adjoins the Site to the south, was listed on the EDR US Hist Cleaners database. EDS Wash World was listed from 1999 through 2001 and Wash World Laundromat was listed in 2010 and 2011 (suspect REC #6).

It was GZA's opinion that a subsurface investigation to include subsurface soil and groundwater sampling and analyses was necessary to evaluate the presence of potentially

[1] "Phase I Environmental Site Assessment, Northtown Plaza, Sheridan Drive, Eggert Road, and Bailey Avenue, Amherst, New York" completed for WS Development Associates LLC by GZA dated September 2013.

impacted materials in the environment associated with the identified suspect RECs. As described below, the subsurface investigation was performed and concluded the majority of suspect RECs (#2, 4, 5 and 6) do not require additional action and will not be considered RECs going forward. Two of the suspect RECs (#1 and #3) were confirmed to be RECs.

2.00 PURPOSE AND SCOPE OF WORK

The purpose of this Phase II ESA was to assess if the suspect RECs identified during the Phase I ESA have affected the Site soil and/or groundwater. To accomplish this, GZA developed a scope of work based upon generally accepted engineering standard of care and practices.

GZA completed the following tasks:

- Observed a total of 51 soil probes performed by GZA's subcontractor, TREC Environmental Inc. (TREC) in January, March, and May 2014.

- Collected subsurface soil samples from soil probes continuously in 2-foot sample intervals from ground surface to depths ranging from approximately 8 to 32 feet below ground surface (bgs). Soil samples were collected using a macro-core sampler at each probe location.

- Observed the installation of three test boring/groundwater monitoring wells performed by GZA's subcontractor, Nature's Way Environmental Consultants & Contractors, Inc. (Nature's Way) in May 2014.

- Field screened soil samples recovered using an organic vapor meter (OVM) equipped with a photoionization detector (PID).

- Selected 53 soil samples for chemical analysis, which included volatile organic compounds (VOCs) via EPA Method 8260B - Target Compound List (TCL), semi-volatile organic compounds (SVOCs) via EPA Method 8270C (Spills Technology and Remediation Series (STARS) list), and polychlorinated biphenyls (PCBs) via EPA Method 8082.

- Collected three groundwater samples for VOC chemical analysis via EPA Method 8260B TCL.

- Conducted soil vapor intrusion (SVI) air sampling to assess three units (GiRo Cleaners, the basement of Shopper's Choice, and the vacant Manhattan Bagel unit) which included the collection of three indoor air samples, three subslab air samples and two outdoor air samples. The air samples were tested for VOCs via EPA Method TO-15.

- GZA subcontracted with AMEC Geomatrix, Inc. (AMEC) to perform a subsurface electromagnetic geophysical survey to assess three areas of the Site for subsurface anomalies where known or potential USTs may have been located.

- GZA subcontracted with Roto Rooter to camera survey the sanitary sewer line that is located west and south of the dry cleaner unit.

- Prepared this report, which summarizes the data collected during this Phase II ESA.

This report presents GZA's field observations, results, and opinions and is subject to the limitations presented in Appendix A, and modifications if subsequent information is developed by GZA or any other party.

3.00 FIELD STUDIES

This section describes the field studies done as part of GZA's subsurface investigation.

3.10 SOIL PROBE INSTALLATIONS

A total of 51 soil probes, designated as SP-1 through SP-51, were completed on-Site during three events as follows (see Figure 1).

1. Soil probes SP-1 through SP-15 were completed on January 29, 30, and 31, 2014. They were completed in readily accessible areas using a Geoprobe® 540 UB truck-mounted rig (SP-1) and a Geoprobe® 6620 DT track-mounted rig (SP-2 through SP-15).

2. Soil probes SP-16 through SP-26 were completed on March 30 and 31, 2014. Soil probes SP-16 and SP-17 were interior soil probes completed inside the GiRo Cleaners (dry cleaner unit) and the remaining soil probes were exterior soil probes. They were completed using a Geoprobe® 54LT Track Mounted Rig (interior probes SP-16 and SP-17) and a Geoprobe® 540 UB truck-mounted rig (exterior probes SP-18 through SP-26).

3. Soil probes SP-27 through SP-51 were completed May 8, 9, and 12, 2014. They were completed using a Geoprobe® 540 UB truck-mounted rig.

The soil probes were completed by driving a 2-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. Representative portions of the recovered soils were placed in zip-lock bags for further classification and headspace analysis. Upon probe completion, the probe holes were backfilled with the soil cuttings. Concrete was used to patch the ground surface at the exterior soil probe locations.

The soil probes were completed to assess the suspect RECs identified in the Phase I ESA as discussed in the Background section of the report and for general Site coverage. The soil probe location rationale was as follows.

- SP-1 through SP-4 – general Site coverage in the northern portion of the Site.

- Suspect REC #1 – Two abandoned heating oil USTs. Within this report, the two heating oil USTs will be referred to as the southern heating oil UST, located south of the building near Eggert Road and western heating oil UST located on the western portion of the Site. Six soil probes, SP-33, -34, -38, -39, -40, and -41 were completed to assess the southern heating oil UST (see Figure 1 and 2). Four soil probes, SP-42, -43, -44, and -45 were completed to assess the western heating oil UST (see Figures 1 and 3). A total of 10 soil probes were completed to assess REC #1.

- Suspect REC #2 – Gasoline and waste oil USTs associated with 4544 Bailey Avenue. Twelve soil probes, SP-8, -9, -10, -19, -20, -21, -27, -28, -29, 30, -31, and 32 were completed in the eastern portion of the Site at assess REC #2 (see Figures 1 and 4).

- Suspect REC #3 – Former dry cleaning operations at 3077 Sheridan Drive, which is the located in the southwestern portion of the Northtown Plaza property, near Eggert Road. Sixteen soil probes (SP-5, -11, -12, -16, -17, -23, -24, -25, -26, -37, -46, -47, -48, -49, -50, and -51) and one test boring/monitoring well (MW-1) were completed to assess REC #3 (see Figures 1 and 5).

- Suspect REC #4 – Former USTs located north of Total Automotive, which is located in the southwestern portion of the Site. Four soil probes (SP-13, -14, -18, and -36) and one test boring/monitoring well (MW-2) were completed to assess REC #4 (see Figure 1).

- Suspect REC #5 – 2131 Eggert Road, which adjoins the Site to the west, was listed on a historical automobile station database. Soil probe, SP-22 was completed to the east of 2131 Eggert Road, near the western property line of the Site (see Figure 1).

- Suspect REC #6 – 2040 Eggert Road was list on a historical cleaners database. Two soil probes, SP-6 and -7) were completed north of this dry cleaner location (see Figure 1).

GZA prepared soil probe and test boring/monitoring well logs summarizing the general subsurface conditions that were observed at the investigation locations. These logs provide a summary description of the soils based on our visual observations of the recovered soil's color and composition. Soil probe logs are included as Appendix B.

<u>3.20 MONITORING WELL INSTALLATION</u>

Three monitoring wells, designated MW-1, MW-2 and MW-3, were installed at the Site as part of the Phase II ESA (see Figure 1 and 1A). The monitoring wells were installed to assess potential groundwater contamination and estimate groundwater flow direction.

Two test borings/monitoring wells were installed in the northern portion of the Site (MW-2 and MW-3) and one test boring/monitoring well was installed west and in the vicinity of the former dry cleaner where tetrachloroethene (PCE) contamination was identified in soils.

The three monitoring wells were installed using an Acker AD 2 rotary drill rig. The test borings were advanced into the upper most water bearing zone identified, which was encountered between 53 feet bgs (MW-1) and 57 feet bgs (MW-3). The soil conditions above the water bearing zone were generally clayey soils. The monitoring wells were installed to depths of 55 feet bgs (MW-1) and 58 feet bgs (MW-2 and MW-3).

The two monitoring wells on the northern portion of the Site (MW-2 and MW-3) were drilled using 4¼-inch hollow stem augers (HSAs) to the 58 feet bgs. Water bearing zones were encountered at depths of 55 feet bgs or greater. Two-inch diameter PVC wells with a 10-foot No. 10-slotted screen (screen slots with 0.01-inch width) were installed at both locations. A #00 sand pack was installed around the monitoring well screen and extended about 2.5 to 3 feet above the top of the slotted screen. A 3-foot bentonite pellet seal was installed above the sand pack and a mix of bentonite and cement grout was used to seal the remainder of the annular space around the well to ground surface. The monitoring wells were finished at ground surface with flush mount road boxes.

Monitoring well MW-1 was also installed using an Acker AD 2. However, at this location steel casing was installed to avoid creating a potential pathway for vertical migration of the PCE identified in the vicinity of this location in soil probes SP-11 and SP-23. The initial test boring was completed to a depth of about 22 feet bgs using 6¼-inch HSAs. A 4-inch diameter steel casing was installed to 22 feet bgs, grouted into place (mix of cement and bentonite) and allowed to set for about three days while drilling occurred at MW-2 and MW-3.

Upon returning to MW-1, a NW sized (3-inch) diameter steel casing with drive shoe was driven within the 4-inch casing from 22 feet bgs to approximately 55 feet bgs. The procedure to advance the 3-inch casing was as follows: A split spoon sample was collected from 22 to 24 feet bgs and then the NW sized steel casing was driven to 24 feet bgs. Then a 3-7/8-inch roller bit and water was used to remove the soil from within the 3-inch diameter steel casing. When a depth of 24 feet bgs was reached with the roller bit, another split spoon sample was collected from 24 to 26 feet bgs. The 3-inch diameter steel casing was then driven to 26 feet bgs followed by the roller bit to the same depth. This process continued to a depth of 38 feet bgs. At that depth continuous sampling was stopped and the NW casing and roller bit were used to advance the casing. Split spoon samples were collected at 45 to 47 feet bgs and 53 and 55 feet bgs. A water bearing zone was encountered around 53 feet bgs.

A 2-inch diameter well screen with pre-packed sand pack was used to install the monitoring well inside the NW casing. A 3 foot bentonite pellet seal was installed above the pre-packed sand pack and a mix of bentonite and cement grout was used to seal the remainder of the annular space between the well casing and 3-inch diameter steel casing to ground surface. The monitoring well was finished at ground surface with flush mount road boxes.

We note that once the water bearing zone was encountered, water levels inside the three bore holes were observed to be around 6 to 8 feet bgs, indicative of an artesian condition.

Soil spoils, drill water and groundwater generated from the drilling process was containerized for off-site disposal.

To assess groundwater flow direction associated with the three monitoring wells, GZA completed a relative elevation survey of the monitoring well monitoring points (top of PVC riser). A benchmark (i.e., concrete pad for gas meter at the northeast corner of Total Automotive building) was established with an arbitrary benchmark elevation of 100.00. Monitoring points of the three wells were surveyed referencing this benchmark elevation to establish their relative elevations to each other. Water level measurements were collected from the top of riser monitoring points. Figure 1A depicts a generally flat/slightly southerly groundwater flow direction based on relative elevation survey and water level measurements collected on May 23, 2014.

3.30 HEADSPACE SCREENING PROCEDURE

Following removal of the soil sample from the acetate liner (soil probes) or stainless steel split spoon (test borings) and after the initial field screening, a representative portion of each soil sample was placed in a zip-lock bag to be headspace screened. The headspace in the zip-lock bag of each collected soil sample was screened for total organic vapors using an OVM equipped with a photoionization detector with a 10.6 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.

Headspace screening results were recorded on the soil probe and monitoring well logs included in Appendix B.

3.40 GROUNDWATER SAMPLE COLLECTION

As discussed in Section 3.20, three groundwater monitoring wells were installed into the first water bearing zone encountered at 53 to 57 feet bgs. The monitoring wells were purged of between five (MW-3) to 12 (MW-1) well volumes prior to sample collection on May 21, 2014.

Groundwater was not observed at the 51 soil probes completed at the Site, which ranged in depth from 8 to 32 feet bgs.

3.50 SOIL VAPOR INTRUSION AIR SAMPLING

Soil vapor intrusion (SVI) air sampling was completed using 1 liter canisters at three locations as part of the Phase II ESA. The dry cleaner unit and the basement of the Shoppers Choice store were sampled on March 19, 2014; and the vacant former Manhattan Bagel unit was sampled on May 8, 2014.

Product Inventory

Prior to completing the SVI air sampling in each location, GZA made observations of the sampling area for products that were stored in the vicinity that have the potential to create interference or bias in the air sampling results. No "products" were observed in the sampling areas of the three units sampled. We note that dry cleaning is no longer conducted in the dry cleaner unit but it is used as a drop-off location. However, according to the tenant, PCE is still used in their dry cleaning process. There was a significant amount of PCE cleaned clothing in the vicinity of the sampling as shown on Figure 5.

Soil Vapor Sampling

GZA collected three types of air samples as part of the SVI air sampling: indoor air (IA), sub-slab (SS) and outdoor air (background) samples. The samples were collected via methodologies identified in the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 (NYSDOH Guidance Document).

The SVI sampling was completed using laboratory-supplied flow regulators and 1-liter canisters. We requested the regulators be set for an approximate 8-hour duration (i.e., standard shift duration in a commercial facility).

One indoor air and one subslab sample were collected from each of the three units, as shown on Figure 5. These samples were designated Drycleaner IA and Dry Cleaner SS (from dry cleaner unit); Basement IA and Basement SS (from Shopper's Choice basement); and Manhattan IA and Manhattan SS (from the vacant former Manhattan Bagel unit).

The three indoor air samples were collected with regulators and canisters placed within the general breathing zone approximately 4 to 5 feet above the floor grade at the locations shown on Figure 5.

The three sub-slab air samples were collected from under the slab-on-grade floor within the sampling area of the specified units and within 10 feet of its respective indoor air sample location (see Figure 5). An approximate ½-inch diameter hole was drilled in the concrete floor away from drains or floor cracks. Clean, dedicated ¼-inch inner diameter tubing was placed through the hole to the bottom of the concrete slab, which varied in thickness from approximately 4 to 5-inches thick. The tubing was sealed at the floor surface with modeling clay.

A tracer gas (helium) was used to determine if the surface seal created by the modeling clay around the tubing and concrete floor was sufficient to prevent indoor air from infiltrating down into the sub-slab during the sampling. Prior to the release of helium into the enclosure, the helium detector was used to measure the background level of helium from the sub-slab. No readings above 0 parts per million (ppm) were noted.

The helium was then released into an enclosure placed over the top of the sub-slab sampling point (tubing and clay seal) to check for indoor air infiltration. A helium detector (Restek Cat. # 22839 – March 19, 2014 and Radio Detection MGD-2002 – May 8, 2014) equipped with an internal pump was used to monitor the air being drawn up from the sub-slab sample point to check whether the helium tracer gas was being drawn down into the sub-slab zone being sampled. The helium detector sample probe was placed inside the tubing, with the internal pump on the detector drawing air at a rate of approximately 0.3 liters per minute. The helium detector was operated in the continuous sample mode prior to the release of helium into the enclosure and for approximately 5 to 10 minutes after helium was released into the enclosure.

Following the release of helium into the enclosure, the highest measurement of helium within the air being drawn from the sub-slab through the detector during the test was recorded. 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. The recorded values were less than 1% helium (10,000 ppm) and the surface seals were considered to be satisfactory for the sampling. Prior to removing the enclosure from over the sampling point, the helium detector probe was removed from the tubing and placed inside the enclosure. The helium measurement readings from inside the enclosure were recorded at each location, which ranged from 87% to 91% helium indicating sufficient helium was released into the enclosure for the testing. The sample tubing was then connected to the sub-slab sample regulators and canisters after the helium testing was completed.

A total of two outdoor air samples, designated Outdoor Air, were collected (one during each sampling event). They were collected from upwind locations the day of the sampling. On March 19th, the Outdoor Air sample was placed southeast of the building containing the dry cleaner unit as the wind direction was out of the southeast. On May 8th, the Outdoor air sample was placed east of the building containing the dry cleaner and the wind direction was out of the east. The Outdoor Air samples were collected by placing a canister on tripod at a height of approximately 4 feet above the ground surface.

3.60 GEOPHYSICAL SURVEY

GZA subcontracted AMEC to perform a subsurface electromagnetic geophysical survey at three (3) locations at the Site. The three locations surveyed are as follows.

1. Approximate 10,000 square foot area on the eastern portion of the Site in the vicinity of the former 4544 Bailey Avenue collision shop (see Figure 4).

2. Approximate 2,000 square foot area on the southern portion of the Site in the vicinity of the in-place heating oil UST (see Figure 2).
3. Approximate 1,250 square foot area on the western portion of the Site in the vicinity of the in-place heating oil UST (see Figure 3).

A reference grid was laid out in the areas of the geophysical survey to facilitate data collection along evenly spaced lines three feet apart. The grid was marked with orange and white spray paint at select coordinate locations to reference subsequent work if necessary.

AMEC used a Geonics® EM61 (EM61) to provide a general geophysical characterization of the Site and to assist in the delineation of potential subsurface anomalies (i.e., buried metallic or metallic-containing objects). The EM61 unit is a high sensitivity, high resolution time domain electromagnetic (TDEM) metal detector that can detect both ferrous and non-ferrous metallic objects with an investigation depth of 10 feet. The report generated by AMEC (copy included as Appendix C), provides a plan view of the geophysical survey and discusses the results. A summary of the five anomalies identified are as follows.

- Three anomalies were identified in the eastern portion of the Site in the vicinity of the former 4544 Bailey Avenue collision shop. Anomalies A, B and C are shown on Figure 4.

- One anomaly was identified in the southern portion of the Site in the vicinity of the in-place heating oil UST. Anomaly D is shown on Figure 2.

- One anomaly was also identified in the western portion of the Site in the vicinity of the in-place heating oil UST. Anomaly E is shown on Figure 3.

The results of the geophysical survey were used to conduct further investigations in May 2014 in the vicinity of the former 4544 Bailey Avenue collision shop and the investigations of the two abandoned in-place heating oil USTs. Soil probes were placed in close proximity to the five anomalies identified.

3.70 SANITARY SEWER CAMERA SURVEY

On May 5, 2014, GZA subcontracted with Roto Rooter to camera survey the sanitary sewer line that is located approximately 5 feet west and 5 feet south of the dry cleaner unit. The camera survey was completed to view the integrity of the sanitary line in the vicinity of the dry cleaner unit to evaluate if potential leakage from the sanitary sewer line could be the cause of PCE detected in soil samples collected.

Organic vapor meter (OVM) field screening and headspace readings collected from soil probe samples completed in January and March 2014 in the vicinity of the dry cleaner unit (SP-11, -16, -17, -23, -24), indicated the higher readings were at depths of 10 to 12 feet bgs.

The camera survey indicated that the line is constructed of clay tile pipe with pipe joints located at 2 foot intervals. No significant breaks, cracks or separated joints were observed in the video. No conclusion was able to be made if the sanitary sewer was the potential source of the PCE impacts to soil.

4.00 ANALYTICAL LABORATORY TESTING

Fifty-three subsurface soil samples, three groundwater and eight air samples were submitted for analytical testing. The selected soil samples were packed in an ice-filled cooler and sent to Paradigm Environmental Services Inc., (Paradigm) located in Rochester, New York. The three groundwater samples were packed in an ice-filled cooler and delivered to TestAmerica Laboratories, Inc., (TestAmerica) located in Amherst, New York. The eight air samples were sent to Centek Laboratory in Syracuse, New York. Typical chain-of-custody procedures were followed. Table 1 provides a summary of the analytical samples collected and the analyses completed.

5.00 SUBSURFACE CONDITIONS

5.10 SOILS

Fill material was encountered below the surface and generally consisted of sand and gravels with lesser amounts of silt and clay. Trace amounts of typical fill indicators including slag, glass, and brick were observed in the sub-base material at some investigation locations. Generally, the fill materials were 1 to 3 feet in thickness, extending to 9 feet bgs at some locations in the vicinity of the former collision shop at 4544 Bailey Avenue on the eastern portion of the Site and the two abandoned heating oil UST locations.

Native silty clay soils with lesser and various amounts of sand and gravel were observed at the soil probe and test boring locations below the fill material. The silty clay was present up to 58 feet bgs at the three test boring locations to install the monitoring wells.

5.20 GROUNDWATER

Groundwater and/or apparent saturated soil conditions were not encountered in any of the soil probes completed at the Site; which did not exceed a depth of 32 feet bgs. Three monitoring wells were installed to depths between 53 feet bgs (MW-1) to 57 feet bgs (MW-3), the depth where groundwater was encountered However, once the water bearing zone was encountered, water levels inside the wells were observed to be around 6 to 8 feet bgs, indicative of an artesian condition.

Water levels measurements collected from the three monitoring wells depict a flat/slightly southerly ground water flow direction based on relative elevation survey and water level measurements collected on May 23, 2014.

6.00 ANALYTICAL TEST RESULTS

Findings of the laboratory testing of the soil samples analyzed are presented below. The analytical laboratory report is provided in Appendix C. The analytical results for the soil samples are summarized on Table 2, groundwater samples results are included on Table 3, and the SVI air sample results are included on Table 5.

The analytical test results for the subsurface soil samples were compared to the NYSDEC Part 375 Unrestricted and Restricted Use Soil Cleanup Objectives.[2]

The NYSDEC Unrestricted Soil Cleanup Objectives (USCOs) represents concentrations of contaminants in soil that require no use restrictions for the protection of public health, groundwater and ecological resources. These are considered to be "pre-release" conditions by NYSDEC.

The Restricted Use Soil Cleanup Objectives (RSCOs) are applicable for the protection of public health in residential, commercial, and industrial scenarios where compounds and analytes have been identified in soil above the USCOs. The Commercial Soil Cleanup Objectives (CSCOs) were considered when evaluating the soil analytical results from the Site.

The analytical test results for the groundwater samples were compared to NYSDEC Class GA Criteria[3].

The following documents were used to assess the results of the SVI air sampling:

- NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 (NYSDOH Guidance Document). We note that this document also contains the Air Guideline Values (AGV) for PCE, trichloroethene and methylene chloride;
- Tetrachloroethene (PERC) in Indoor and Outdoor Air September 2013 Fact Sheet prepared by the Bureau of Toxic substance Assessment, NYSDOH; and
- Trichloroethene (TCE), in Indoor and Outdoor Air February 2005 Fact Sheet prepared by NYSDOH.

6.10 SOIL

Volatile Organic Compounds:

A total of 15 different VOCs were detected above method detection limits in 35 of the 53 soil samples selected for VOC laboratory testing (see Table 2). The detected

[2] 6 New York Code Rules and Regulation (6 NYCRR) Part 375 Environmental Remediation Programs, Subparts 375-12 to 375-4 & 375-6, effective December 14, 2006.

[3] Groundwater criteria presented in the Division of Water Technical and Operational Guidance Series (TOGS 1.1.), dated October 1993, revised June 1998, errata January 1999 and amended April 2000 (Class GA).

concentrations of the compounds were below their Commercial Soil Cleanup Objectives (CSCO) with the exception of tetrachloroethene (PCE).

PCE was detected above method detection limits in 23 soil samples analyzed as part of the Phase II ESA. These detections of PCE are located in and around the dry cleaner unit. The detected concentrations of PCE exceeded its Unrestricted Soil Cleanup Objective (USCO) in 16 samples, the Commercial SCO (CSCO) in two sample locations (SP-23, 12 to 14 feet bgs and SP-47, 6 to 8 feet bgs) and the Industrial SCO (ISCO) in one sample location (SP-47, 6 to 8 feet bgs).

No other VOCs were detected exceeding their respective CSCOs in the other 51 soil samples collected.

Semi-Volatile Organic Compounds:

A total of nine different SVOCs were detected above method detection limits in 3 of the 28 soil samples selected for SVOC laboratory testing (see Table 2). The detected concentrations of the nine compounds were below their respective Unrestricted Soil Cleanup Objectives (USCO).

PCBs:

PCBs were not detected above method detection limits in the 12 soil samples selected for PCB laboratory testing.

We note that visual/olfactory evidence of petroleum was encountered in the vicinity of both the southern heating oil UST (SP-33) and western heating oil UST (SP-42). NYSDEC was notified of these findings on May 9, 2014 and Spill#1401409 was assigned to the Site. Samples collected to assess the impacted soils associated USTs were from the perimeter of visually stained area. The laboratory results did not indicate levels above the most conservative Unrestricted Soil Cleanup Objectives.

6.20 GROUNDWATER

Volatile Organic Compounds:

A total of six different VOCs were detected above method detection limits in the three groundwater samples sent for VOC laboratory testing (see Table 5). The detected concentrations of the six compounds were below their NYSDEC Class GA criteria.

6.30 SOIL VAPOR INTRUSION

Volatile Organic Compounds:

A total of 29 different VOCs were detected above method detection limits in the eight air samples sent for VOC laboratory testing (see Table 4) as part of the soil vapor intrusion assessment.

The shaded concentration results on Table 4 identify the compounds that exceeded their respective AGVs. PCE in the dry cleaner unit and vacant Former Manhattan Bagel Unit were the only detections that exceeded its respective AGV.

- Based on the indoor air and sub-slab samples concentrations of PCE detected within the dry cleaner unit, the decision matrices indicates that mitigation is needed to minimize the exposure scenario if the source of the indoor concentration are determined to be from a sub-slab source.

  However, the dry cleaner unit contained clothing that were cleaned at an off-site location using PCE and returned to the dry cleaner unit to be picked up by customers. It is unknown if the indoor air concentration of PCE detected in the dry cleaner unit, 60 ug/m^3, is due to soil vapor intrusion or to off gassing from cleaned clothes in the vicinity of the air sampling.

  Because PCE is "used" in the operations associated with this unit, the NYSDOH guidance values may not be applicable as it is present in the work environment. An alternative is to compare the results to the Occupational Safety & Health Administration (OSHA) General Industry standards.

  The detected concentration of PCE in the indoor sample associated with the dry cleaner unit is orders of magnitude below the OSHA standards.

- Based on the indoor air and sub-slab samples concentrations of PCE detected within the vacant former Manhattan Bagel unit, additional evaluation and/or mitigation may be needed if the space is reoccupied.

- No further action is required in the basement of the Shoppers Choice unit.

7.00 CONCLUSIONS AND RECOMMENDATIONS

In accordance with our proposals, GZA performed a Phase II Environmental Site Assessment (Phase II ESA) at the Northtown Plaza in Amherst, New York to assess the suspect RECs identified in our Phase I ESA.

Our work included the completion of 51 soil probes, installation of three groundwater monitoring wells, headspace screening of collected soil samples, soil and groundwater sample analysis, a geophysical survey, a sanitary sewer camera survey, and a soil vapor intrusion assessment.

A summary of our findings and opinions based upon the work conducted as part of this study follows.

- Subsurface soil conditions generally consisted of fill material (sand and gravels with lesser amounts of silt and clay) underlain by native silty clay to a depth of 58 feet bgs. Generally, the fill materials were 1 to 3 feet in thickness, but were encountered at thicknesses greater than 3 feet to 9.5 feet at locations in the vicinity of the former collision shop at 4544 Bailey Avenue on the eastern portion of the Site and the two abandoned heating oil UST locations.

- Groundwater was not encountered in the shallow soil probes which extended to a depth of 32 feet bgs. Groundwater was encountered at a depth between 53 and 57 feet bgs.

  Water level measurements collected from the three monitoring wells depict a southerly ground water flow direction based on relative elevation survey and water level measurements collected on May 23, 2014.

- The electromagnetic geophysical survey was completed at three locations at the Site.

  1. Approximate 10,000 square foot area on the eastern portion of the Site in the vicinity of the former 4544 Bailey Avenue collision shop (see Figure 4).
  2. Approximate 2,000 square foot area on the southern portion of the Site in the vicinity of the in-place heating oil UST (see Figure 2).
  3. Approximate 1,250 square foot area on the western portion of the Site in the vicinity of the in-place heating oil UST (see Figure 3).

  Three anomalies were identified in the eastern portion of the Site in the vicinity of the former 4544 Bailey Avenue collision shop. Anomalies A, B and C are shown on Figure 4.

  One anomaly was identified in the southern portion of the Site in the vicinity of the in-place heating oil UST. Anomaly D is shown on Figure 2.

  One anomaly was also identified in the western portion of the Site in the vicinity of the in-place heating oil UST. Anomaly E is shown on Figure 3.

  The results of the geophysical survey were used to conduct further investigations in May 2014 in the vicinity of the former 4544 Bailey Avenue collision shop and the investigations of the two abandoned in-place heating oil USTs. Soil probes were placed in close proximity to the five anomalies identified to assess for potential soil contamination in their vicinity.

- Investigation activities in the vicinity of the two abandoned heating oil USTs identified visual/olfactory evidence of a petroleum release. NYSDEC was notified of these findings and Spill#1401409 was assigned to the Site. As noted below, all laboratory results were later found to be below Unrestricted Soil Cleanup Objectives.

- Investigation activities in the vicinity of the three anomalies associated with 4544 Bailey did not indicate contamination was present in this area. The soil probes did identify thicker fill material depths in these areas and no USTs were encountered.

- A camera survey was completed on a portion of the sanitary sewer line located in the vicinity, west and south, of the dry cleaner unit. The camera survey was completed to view the integrity of the sanitary line in the vicinity of the dry cleaner unit.

  The camera survey indicated that the line is constructed of clay tile pipe with pipe joints located at 2 foot intervals. No significant breaks, cracks or separated joints were observed in the video.

- VOCs analyzed were below their respective Commercial Soil Cleanup Objectives (CSCO) with the exception of PCE.

  PCE was detected in close proximity to the dry cleaner unit in the western portion of the Site. The detected concentrations of PCE exceeded the Unrestricted Soil Cleanup Objectives (USCO) in 16 samples, the CSCO in two sample locations (SP-23, 12 to 14 feet bgs and SP-47, 6 to 8 feet bgs) and the Industrial Soil Cleanup Objectives (ISCO) in one sample location (SP-47, 6 to 8 feet bgs).

  No other VOCs were detected exceeding Soil Cleanup Objectives in the 51 soil samples collected.

- SVOCs were detected below their respective Unrestricted Soil Cleanup Objectives.

- PCBs were not detected above method detection limits in the 12 soil samples selected for PCB laboratory testing.

- VOCs detected in the groundwater were at concentrations below their respective NYSDEC Class GA criteria. No further assessment is recommended with respect to groundwater.

- PCE was the only compound detected in the indoor air above its respective AGV in the dry cleaner unit and the vacant former Manhattan Bagel unit. Because PCE is "used" in the business operations associated with the dry cleaning unit, the NYSDOH guidance values may not be applicable. The levels observed were well below OSHA levels. If the vacant space is reoccupied additional vapor evaluation and/or mitigation may be required.

The results of the Phase II ESA have identified limited areas of impacted soil in association with two of the six suspect RECs identified in the Phase I ESA: suspect REC#1 (heating oil USTs) and suspect REC#3 (dry cleaner unit) (i.e. these were confirmed to be RECs). The other four suspect RECs identified do not require additional action.

The limited areas of impacted soil associated with the two abandoned heating oil underground storage tanks (USTs) designated as REC#1 may be addressed along with the USTs as part of Site redevelopment. Samples collected to assess the impacted soils associated USTs were from the perimeter of visually stained area. The laboratory results did not indicate levels above Unrestricted Soil Cleanup Objectives in these samples.

There is also a limited area of soil impacted by PCE associated with former dry cleaner operations in the southwestern portion of the Site. PCE concentrations in two soil samples exceeded its respective Part 375 CSCO and ISCO which were from depths greater than 6 feet bgs. The other fifty samples analyzed were below their respective CSCOs.

Additional soil vapor intrusion evaluation and/or mitigation may be needed in the vacant former Manhattan Bagel units which adjoin the dry cleaner unit if the space is reoccupied.

Groundwater impacts were not identified and PCE is no longer used in the dry cleaner unit on-site.

The limited soil impacts associated with RECs #1 and #3 may be addressed in connection with redevelopment. No further action is recommended with respect to groundwater.

TABLES

Table 1
Analytical Sample Summary
Northtown Plaza
Amherst, New York

Location	Date Collected	Depth/ Interval (ft bgs)	VOCs EPA Method 8260-TCL	SVOCs EPA Method 8270 - STARS	PCBs EPA Method 8082	VOCs EPA Method TO-15
SOIL SAMPLES						
SP-3	1/30/2014	0.5 to 2	X	X	X	
SP-5	1/30/2014	8 to 10	X	X	X	
SP-8	1/31/2014	0.5 to 2	X	X	X	
SP-8	1/31/2014	6 to 8	X	X	X	
SP-10	1/31/2014	4 to 6	X	X	X	
SP-11	1/31/2014	7	X	X	X	
SP-11	1/31/2014	10 to 12	X	X	X	
SP-12	1/31/2014	8 to 10	X	X	X	
SP-13	1/31/2014	4	X	X	X	
SP-13	1/31/2014	4 to 6	X	X	X	
SP-14	1/31/2014	4 to 6	X	X	X	
SP-15	1/31/2014	2 to 4	X	X	X	
SP-16	3/30/2014	10 to 12	X			
SP-16	3/30/2014	12 to 14	X			
SP-18	3/31/2014	6 to 8	X			
SP-19	3/31/2014	6 to 8	X			
SP-20	3/31/2014	4 to 6	X			
SP-21	3/31/2014	4.5	X			
SP-22	3/31/2014	2 to 4	X			
SP-23	3/31/2014	12 to 14	X			
SP-23	3/31/2014	18 to 19	X			
SP-24	3/31/2014	8 to 10	X			
SP-27	5/8/2014	8	X	X		
SP-28	5/8/2014	8	X	X		
SP-28	5/8/2014	10	X	X		
SP-29	5/8/2014	4	X	X		
SP-33	5/8/2014	3.5	X	X		
SP-33	5/8/2014	6	X	X		
SP-36	5/9/2014	4	X	X		
SP-37	5/9/2014	1	X			
SP-37	5/9/2014	11.9	X			
SP-38	5/9/2014	5	X	X		
SP-39	5/9/2014	4	X	X		
SP-39	5/9/2014	5	X	X		
SP-42	5/9/2014	7	X	X		
SP-42	5/9/2014	11.8	X	X		
SP-43	5/9/2014	4	X	X		
SP-43	5/9/2014	8	X	X		
SP-44	5/9/2014	5	X	X		
SP-45	5/12/2014	4 to 8	X	X		
SP-46	5/12/2014	0 to 2	X			
SP-46	5/12/2014	2 to 4	X			
SP-47	5/12/2014	6 to 8	X			
SP-47	5/12/2014	12 to 14	X			
SP-47	5/12/2014	18 to 20	X			
SP-48	5/12/2014	10 to 12	X			
SP-48	5/12/2014	18 to 20	X			
SP-49	5/12/2014	12 to 14	X			
SP-49	5/12/2014	18 to 20	X			
SP-50	5/12/2014	8 to 10	X			
SP-51	5/12/2014	10 to 12	X			
MW-1	5/13/2014	20 to 22	X			
MW-1	5/16/2014	26 to 28	X			
GROUNDWATER SAMPLES						
MW-1	5/21/2014	NA	X			
MW-2	5/21/2014	NA	X			
MW-2	5/21/2014	NA	X			
VAPOR INTRUSION SAMPLES						
Drycleaner-IA-031914	3/19/2014	NA				X
Drycleaner-SS-031914	3/19/2014	NA				X
Basement-IA-0319-14	3/19/2014	NA				X
Basement-SS-031914	3/19/2014	NA				X
Outdoor Air-031914	3/19/2014	NA				X
Manhattan-SS-050814	5/8/2014	NA				X
Manhattan-IA-050814	5/8/2014	NA				X
Outdoor Air - 050814	5/8/2014	NA				X

Notes:
1. ft bgs = feet below ground surface.
2. VOCs = Volatile Organic Compounds.
3. SVOCs = Semi-Volatile Organic Compounds.
4. PCBs = Polychlorinated biphenyls.
5. TCL = Target Compound List.
6. STARS = Spills Technology and Remediation Series.
7. EPA - Environmental Protection Agency.

TABLE 2
Soil Analytical Result Summary
Northtown Plaza
Amherst, New York

Parameter	Part 375 - Unrestricted Use SCOs	Part 375 - Commercial Use SCOs	Part 375 - Industrial Use SCOs	SP-3 0.5 to 2 feet bgs	SP-5 8 to 10 feet bgs	SP-8 0.5 to 2 feet bgs	SP-8 6 to 8 feet bgs	SP-10 4 to 6 feet bgs	SP-11 7 feet bgs	SP-11 10 to 12 feet bgs	SP-12 8 to 10 feet bgs	SP-13 4 feet bgs	SP-13 4 to 6 feet bgs	SP-14 4 to 6 feet bgs	SP-15 2 to 4 feet bgs	SP-16 10 to 12 feet bgs	SP-16 12 to 14 feet bgs	SP-18 6 to 8 feet bgs	SP-19 6 to 8 feet bgs	SP-20 4 to 6 feet bgs	SP-21 4.5 feet bgs	SP-22 2 to 4 feet bgs
Volatile Organic Compounds - EPA Method 8260 TCL (ug/Kg)																						
2-Butanone	**120**	**500,000**	1,000,000	<	<	<	55.2	<	<	<	<	<	<	<	<	<	<	<	<	52.5	**142**	47
1,2-Dichlorobenzene	**1,100**	**500,000**	1,000,000	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Acetone	**50**	**500,000**	1,000,000	<	<	<	**147**	<	<	<	<	<	<	<	**144**	<	<	<	**57.1**	**154**	**424**	**192**
Benzene	**60**	**44,000**	89,000	<	<	<	<	<	<	<	<	**120**	11.2	<	<	<	<	<	<	<	<	<
Toluene	**700**	**500,000**	1,000,000	6.98	<	<	<	<	<	<	<	42	<	<	<	<	<	<	<	<	<	<
Ethylbenzene	**1,000**	**390,000**	780,000	<	<	<	<	<	<	<	<	151	30.2	<	<	<	<	<	<	<	<	<
m&p-Xylene	**260** (Note 8)	**500,000** (Note 8)	1,000,000 (Note 8)	6.81	<	<	<	<	<	<	<	**263**	<	<	<	<	<	<	<	<	<	<
o-Xylene	**260** (Note 8)	**500,000** (Note 8)	1,000,000 (Note 8)	<	<	<	<	<	<	<	<	38.3	<	<	<	<	<	<	<	<	<	<
Isopropylbenzene	**NV**	**NV**	NV	<	<	<	<	<	<	<	<	105	36.3	<	<	<	<	<	<	<	<	<
Methylcyclohexane	**NV**	**NV**	NV	9.79	<	<	<	<	<	<	<	<	51.3	<	<	<	<	<	<	<	11.1	<
Tetrachloroethene	**1,300**	**150,000**	300,000	13.7	<	<	<	<	<	**33,000**	23.5	<	<	<	<	**4,400**	**1,510**	<	<	<	<	<
Trichloroethene	**470**	**200,000**	400,000	<	<	<	<	<	<	<	74.1	<	<	<	<	<	<	<	<	<	<	<
cis-1,2-Dichloroethene	**250**	**500,000**	1,000,000	<	<	<	<	<	<	<	135	<	<	<	<	<	<	<	<	<	<	<
Carbon disulfide	**NV**	**NV**	NV	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	65.4	<
Cyclohexane	**NV**	**NV**	NV	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Total VOCs				37.28	<	<	202	<	<	33,000	232.6	719.3	129	<	144	4,400	1,510	<	57.1	206.5	642.5	239
Semi-Volatile Organic Compounds - EPA Method 8270 STARS (ug/Kg)																						
Naphthalene	**12,000**	**500,000**	500,000	<	<	<	<	<	<	<	<	<	<	<	<	NT	NT	NT	NT	NT	NT	NT
Fluorene	**30,000**	**500,000**	500,000	<	<	<	<	<	<	<	<	<	<	<	<	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	**100,000**	**500,000**	500,000	<	<	<	<	<	<	<	<	<	<	<	<	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	**100,000**	**500,000**	500,000	<	<	<	<	<	<	<	<	<	<	<	<	NT	NT	NT	NT	NT	NT	NT
Pyrene	**100,000**	**500,000**	500,000	<	<	<	<	<	<	<	<	<	<	<	<	NT	NT	NT	NT	NT	NT	NT
Benzo [a] anthracene	**1,000**	**5,600**	5,600	<	<	<	<	<	<	<	<	<	<	<	<	NT	NT	NT	NT	NT	NT	NT
Chrysene	**1,000**	**56,000**	56,000	<	<	<	<	<	<	<	<	<	<	<	<	NT	NT	NT	NT	NT	NT	NT
Benzo [b] fluoranthene	**1,000**	**5,600**	5,600	<	<	<	<	<	<	<	<	<	<	<	<	NT	NT	NT	NT	NT	NT	NT
Benzo [a] pyrene	**1,000**	**1,000**	1,000	<	<	<	<	<	<	<	<	<	<	<	<	NT	NT	NT	NT	NT	NT	NT
Total SVOCs				<	<	<	<	<	<	<	<	<	<	<	<	NT	NT	NT	NT	NT	NT	NT
Polychlorinated Biphenyls - EPA Method 8082 (ug/Kg)																						
Total PCBs				<	<	<	<	<	<	<	<	<	<	<	<	NT	NT	NT	NT	NT	NT	NT

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. Gray shading indicates value exceeds Commerical Use Soil Cleanup Objectives.
7. Red shading indicates value exceeds Industrial Use Soil Cleanup Objectives.
8. SCO provided is for Xylene (mixed).
9. Soil cleanup objectives (SCOs) are from NYSDEC Part 375, Subpart 375-6: Unrestricted Use, Commercial Use and Industrial Soil Cleanup Objectives.
10. < indicates compound not detected above method detection limits.
11. TCL = Target Compound List. STARS = NYSDEC Spill Technology and Remediation Series (STARS) Memo #1, Petroleum-Contaminated Soil Guidance Policy, New York State Department of Environmental Conservation, August 1992.

TABLE 2
Soil Analytical Result Summary
Northtown Plaza
Amherst, New York

Parameter	Part 375 - Unrestricted Use SCOs	Part 375 - Commercial Use SCOs	Part 375 - Industrial Use SCOs	SP-23 12 to 14 feet bgs	SP-23 18 to 19 feet bgs	SP-24 8 to 10 feet bgs	SP-27 8 feet bgs	SP-28 8 feet bgs	SP-28 10 feet bgs	SP-29 4 feet bgs	SP-33 3.5 feet bgs	SP-33 6 feet bgs	SP-36 4 feet bgs	SP-37 1 feet bgs	SP-37 11.9 feet bgs	SP-38 5 feet bgs	SP-39 4 feet bgs	SP-39 5 feet bgs	SP-42 7 feet bgs	SP-42 11.8 feet bgs	SP-43 4 feet bgs	SP-43 8 feet bgs
Volatile Organic Compounds - EPA Method 8260 TCL (ug/Kg)																						
2-Butanone	120	500,000	1,000,000	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	**225**	<
1,2-Dichlorobenzene	1,100	500,000	1,000,000	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Acetone	50	500,000	1,000,000	<	<	44.6	<	<	<	<	**153**	<	**96.4**	<	<	<	<	<	**59.8**	<	**802**	<
Benzene	60	44,000	89,000	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Toluene	700	500,000	1,000,000	<	<	<	<	<	<	<	10.8	<	<	<	<	<	<	<	<	<	<	<
Ethylbenzene	1,000	390,000	780,000	<	<	<	<	<	<	<	797	<	<	<	<	<	<	<	<	<	<	<
m&p-Xylene	260 Note 8	500,000 Note 8	1,000,000 Note 8	<	<	<	<	<	<	<	91.2	<	<	<	<	<	<	<	<	<	<	<
o-Xylene	260 Note 8	500,000 Note 8	1,000,000 Note 8	<	<	<	<	<	<	<	76.2	<	<	<	<	<	<	<	<	<	<	<
Isopropylbenzene	NV	NV	NV	<	<	<	<	<	<	<	840	<	<	<	<	<	<	<	13	<	162	<
Methylcyclohexane	NV	NV	NV	<	<	<	<	<	<	<	689	<	<	<	<	<	<	<	79.7	<	49.1	<
Tetrachloroethene	1,300	150,000	300,000	**214,000**	**8,720**	155	<	<	<	<	29.2	<	<	**5,280**	**137,000**	<	<	<	<	<	<	<
Trichloroethene	470	200,000	400,000	<	128	20.4	<	<	<	<	<	<	<	**870**	<	<	<	<	<	<	<	<
cis-1,2-Dichloroethene	250	500,000	1,000,000	<	<	223	<	<	<	<	<	<	<	**343**	<	<	<	<	<	<	<	<
Carbon disulfide	NV	NV	NV	<	<	<	<	<	<	<	11.9	<	<	<	<	<	<	<	<	<	<	<
Cyclohexane	NV	NV	NV	<	<	<	<	<	<	<	243	<	<	<	<	<	<	<	<	<	<	<
Total VOCs				214,000	8,848	443	<	<	<	<	2,941	<	96	6,493	137,000	<	<	<	153	<	1,238	<
Semi-Volatile Organic Compounds - EPA Method 8270 STARS (ug/Kg)																						
Naphthalene	12,000	500,000	500,000	NT	NT	NT	<	<	<	<	8,030	<	<	NT	NT	<	<	<	<	<	<	<
Fluorene	30,000	500,000	500,000	NT	NT	NT	<	<	<	<	3,780	<	<	NT	NT	<	<	<	<	<	770	<
Phenanthrene	100,000	500,000	500,000	NT	NT	NT	<	<	<	<	8,600	<	<	NT	NT	<	<	<	<	<	1,280	<
Fluoranthene	100,000	500,000	500,000	NT	NT	NT	<	<	<	<	<	<	<	NT	NT	<	<	<	<	<	<	<
Pyrene	100,000	500,000	500,000	NT	NT	NT	<	<	<	<	<	<	<	NT	NT	<	<	<	<	<	<	<
Benzo [a] anthracene	1,000	5,600	5,600	NT	NT	NT	<	<	<	<	<	<	<	NT	NT	<	<	<	<	<	<	<
Chrysene	1,000	56,000	56,000	NT	NT	NT	<	<	<	<	<	<	<	NT	NT	<	<	<	<	<	<	<
Benzo [b] fluoranthene	1,000	5,600	5,600	NT	NT	NT	<	<	<	<	<	<	<	NT	NT	<	<	<	<	<	<	<
Benzo [a] pyrene	1,000	1,000	1,000	NT	NT	NT	<	<	<	<	<	<	<	NT	NT	<	<	<	<	<	<	<
Total SVOCs				NT	NT	NT					20,410			NT	NT						2,050	
Polychlorinated Biphenyls - EPA Method 8082 (ug/Kg)																						
Total PCBs				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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. Gray shading indicates value exceeds Commerical Use Soil Cleanup Objectives.
7. Red shading indicates value exceeds Industrial Use Soil Cleanup Objectives.
8. SCO provided is for Xylene (mixed).
9. Soil cleanup objectives (SCOs) are from NYSDEC Part 375, Subpart 375-6: Unrestricted Use, Commercial Use and Industrial Soil Cleanup Objectives.
10. < indicates compound not detected above method detection limits.
11. TCL = Target Compound List. STARS = NYSDEC Spill Technology and Remediation Series (STARS) Memo #1, Petroleum-Contaminated Soil Guidance Policy, New York State Department of Environmental Conservation, August 1992.

TABLE 2
Soil Analytical Result Summary
Northtown Plaza
Amherst, New York

Parameter	Part 375 - Unrestricted Use SCOs	Part 375 - Commercial Use SCOs	Part 375 - Industrial Use SCOs	SP-44 5 feet bgs	SP-45 4 to 8 feet bgs	SP-46 0 to 2 feet bgs	SP-46 2 to 4 feet bgs	SP-47 6 to 8 feet bgs	SP-47 12 to 14 feet bgs	SP-47 18 to 20 feet bgs	SP-48 10 to 12 feet bgs	SP-48 18 to 20 feet bgs	SP-49 12 to 14 feet bgs	SP-49 18 to 20 feet bgs	SP-50 8 to 10 feet bgs	SP-51 10 to 12 feet bgs	MW-1 20 to 22 feet bgs	MW-1 26 to 28 feet bgs
Volatile Organic Compounds - EPA Method 8260 TCL (ug/Kg)																		
2-Butanone	**120**	**500,000**	**1,000,000**	**160**	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1,2-Dichlorobenzene	**1,100**	**500,000**	**1,000,000**	<	<	<	<	40 J	<	<	<	<	<	<	<	<	<	<
Acetone	**50**	**500,000**	**1,000,000**	**564**	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Benzene	**60**	**44,000**	**89,000**	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Toluene	**700**	**500,000**	**1,000,000**	<	<	<	<	50 J	<	<	<	<	<	<	<	<	<	<
Ethylbenzene	**1,000**	**390,000**	**780,000**	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
m&p-Xylene	**260** Note 8	**500,000** Note 8	**1,000,000** Note 8	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
o-Xylene	**260** Note 8	**500,000** Note 8	**1,000,000** Note 8	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Isopropylbenzene	**NV**	**NV**	**NV**	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Methylcyclohexane	**NV**	**NV**	**NV**	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Tetrachloroethene	**1,300**	**150,000**	**300,000**	<	<	**13,000**	34 J	**1,100,000 D**	**52,000 D**	**15,000**	**15,000**	**48,000 D**	**7,800**	**52,000 D**	940	**4,200**	56 J	<
Trichloroethene	**470**	**200,000**	**400,000**	<	<	**480**	<	**3,700**	130 J	110 J	44 J	120 J	300	140 J	45 J	<	<	<
cis-1,2-Dichloroethene	**250**	**500,000**	**1,000,000**	<	<	110 J	<	130 J	**350**	<	160 J	57 J	530	<	<	<	<	<
Carbon disulfide	**NV**	**NV**	**NV**	19.9	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Cyclohexane	**NV**	**NV**	**NV**	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Total VOCs				744	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Semi-Volatile Organic Compounds - EPA Method 8270 STARS (ug/Kg)																		
Naphthalene	**12,000**	**500,000**	**500,000**	<	<	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	**30,000**	**500,000**	**500,000**	<	<	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	**100,000**	**500,000**	**500,000**	<	170 J	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	**100,000**	**500,000**	**500,000**	<	470	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	**100,000**	**500,000**	**500,000**	<	320 J	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo [a] anthracene	**1,000**	**5,600**	**5,600**	<	150 J	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	**1,000**	**56,000**	**56,000**	<	170 J	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo [b] fluoranthene	**1,000**	**5,600**	**5,600**	<	160 J	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo [a] pyrene	**1,000**	**1,000**	**1,000**	<	110 J	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total SVOCs					1,550													
Polychlorinated Biphenyls - EPA Method 8082 (ug/Kg)																		
Total PCBs				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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. Gray shading indicates value exceeds Commerical Use Soil Cleanup Objectives.
7. Red shading indicates value exceeds Industrial Use Soil Cleanup Objectives.
8. SCO provided is for Xylene (mixed).
9. Soil cleanup objectives (SCOs) are from NYSDEC Part 375, Subpart 375-6: Unrestricted Use, Commercial Use and Industrial Soil Cleanup Objectives.
10. < indicates compound not detected above method detection limits.
11. TCL = Target Compound List. STARS = NYSDEC Spill Technology and Remediation Series (STARS) Memo #1, Petroleum-Contaminated Soil Guidance Policy, New York State Department of Environmental Conservation, August 1992.

Table 3
Groundwater Analytical Testing Results Summary
Phase II Environmental Site Assessment
Northtown Plaza
Amherst, New York

Parameter	NYSDEC Class GA Criteria	MW-1	MW-2	MW-3
Volatile Organic Compounds - EPA Method 8260 TCL (ug/L)				
Acetone	50	8.5 J	3.0 J	7.7 J
Bromodichloromethane	50	0.57 J	<	<
Carbon disulfide	NV	0.99 J	<	1.3
Chloroform	7	1.8	<	<
Tetrachloroethene	5	0.46 J	<	<
Toluene	5	<	<	0.66 J
Total VOCs	NV	12.32	<	<

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 TestAmerica Laboratories, Inc., in amherst, NY.
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. ug/L = part per billion (ppb).
6. Shading indicates values exceeding NYSDEC Class GA groundwater criteria.
7. < = compound was not detected above method detection limit.

TABLE 4
Soil Vapor Intrusion Air Analytical Testing Results Summary
Northtown Plaza
Amherst, New York

	Shopper Choice Basement Samples		Gi-Ro Dry Cleaner			Vacant - Former Manhattan Bagel		
Parameter	**Sub-slab**	**Indoor Air**	**Sub-slab**	**Indoor air**	**Outdoor Air**	**Sub-slab**	**Indoor air**	**Outdoor Air**
1,1,1-Trichloroethane	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	27
1,1-Dichloroethene	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	3
1,2,4-Trimethylbenzene	4.1	<1.1	6.2	<1.1	<0.75	33	<1.1	0.5
1,3,5-Trimethylbenzene	1.2	<0.75	1.7	<0.75	<0.75	13	0.85	<0.75
1,4-Dioxane	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	42
4-ethyltoluene	1.5	<0.75	2.1	<0.75	<0.75	8.2	<0.75	<0.75
Acetone	41	17	250	4.3	11	71	26	24
Benzene	35	1.7	9.4	0.68	0.62	59	0.52	0.68
Carbon disulfide	23	<0.47	1.8	<0.47	<0.47	410	0.54	<0.47
Carbon tetrachloride	<0.96	0.58	<0.96	<0.26	0.51	0.45	0.45	0.51
Chloromethane	14	1.2	<0.31	0.57	0.84	<0.31	0.94	0.84
cis-1,2-Dichloroethene	<0.60	<0.60	0.44 J	<0.60	<0.60	<0.60	<0.60	<0.60
Cyclohexane	190	<0.52	57	<0.52	<0.52	130	<0.52	<0.52
Ethylbenzene	4.2	<0.66	5.1	<0.66	<0.66	27	<0.66	<0.66
Freon 11	1.5	1.9	4.1	0.69 J	1.5	14	37	1.4
Freon 12	2.8	3.5	2.4	1.2	2.9	3.8	6.7	2.4
Heptane	220	0.96	42	0.58 J	<0.62	160	0.92	0.79
Hexane	360	0.90	44	0.54	0.47 J	170	0.97	0.61
Isopropyl alcohol	<0.37	5.3	<0.37	3.2	5.6	12	9.7	1.5
m&p-Xylene	13	0.79 J	18	0.84 J	0.93 J	88	1.3	0.79
Methyl Ethyl Ketone	<0.90	1.7	26	1.1	0.96	<1.2	2	1.6
Methyl Isobutyl Ketone	<1.2	<1.2	<1.2	<1.2	<1.2	19	<1.2	<1.2
Methylene chloride	2.0	0.64	0.71	<0.53	0.49 J	0.99	1.6	1.6
o-Xylene	4.5	<0.66	5.9	<0.66	<0.66	36	0.57	<0.66
Styrene	4.6	<0.65	5.4	<0.65	<0.65	<0.65	<0.65	<0.65
Tetrachloroethylene	43	<1.0	230	**60**	1.3	6,400	**70**	0.9
Toluene	23	2.4	19	1.7	1.5	170	2	2
Trichloroethene	1.6	<0.22	2.5	2.4	<0.22	32	0.22	<0.22
Vinyl chloride	<0.39	<0.10	<0.39	<0.10	<0.10	<0.39	<0.10	<0.10

Notes:

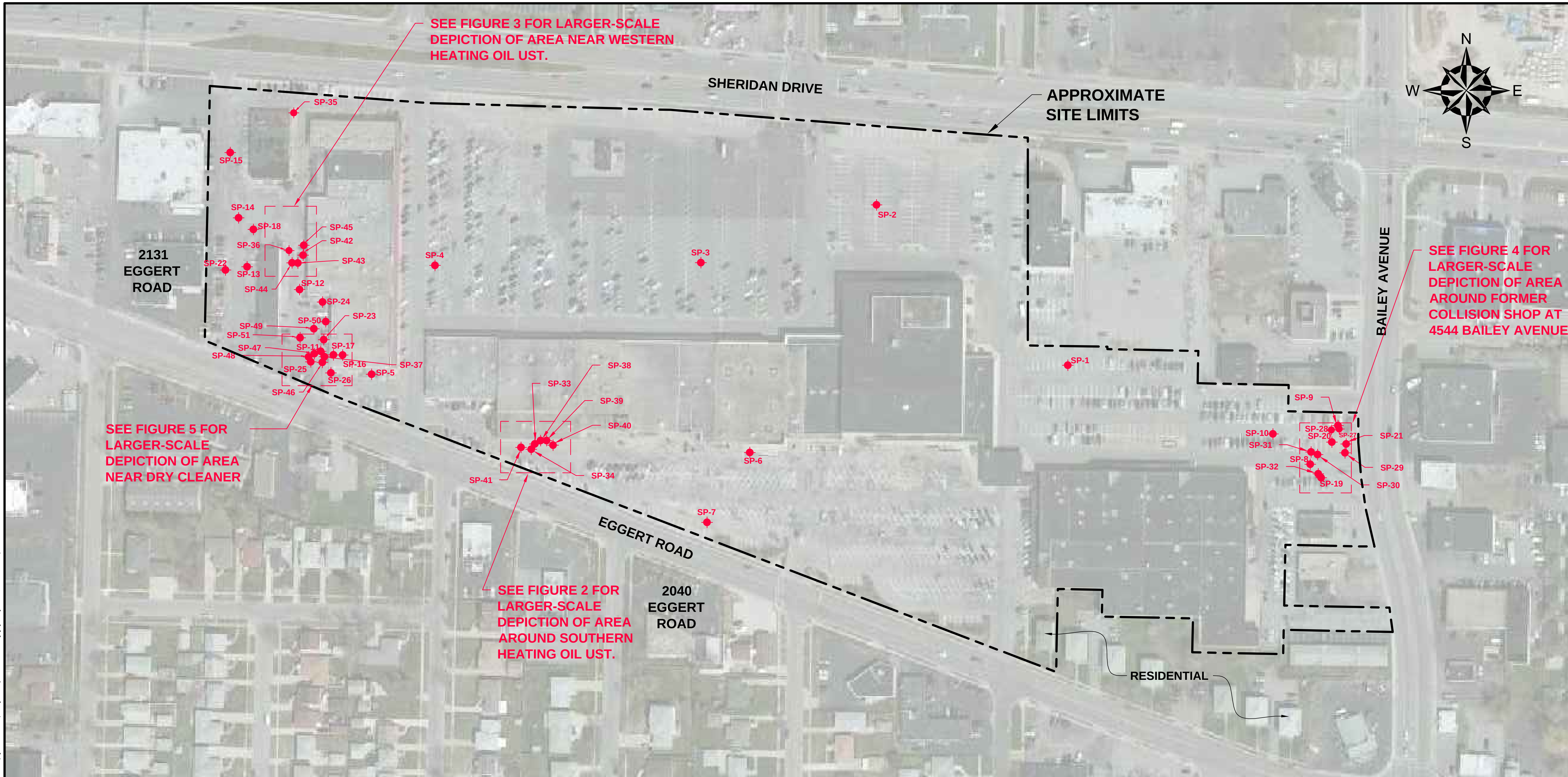
1. Compounds detected in one or more samples are presented in this table, with exception of 7 compounds highlighted in orange. Refer to Appendix D for list of all compounds included in analysis. Compounds highlighted in orange are subject to the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in New York State, dated October 2006, soil vapor intrusion decision matrices.
2. Air sample analytical testing completed by Centek Laboratory in Syracuse, New York.
3. ug/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. Bold and gray shading indicates compound action required by NYSDOH soil vapor intrusion guidance matrices or indoor air guidance values.

TABLE 5
Vapor Intrusion Sample Results Compared to NYSDOH Decision Matrices
Northtown Plaza
Amherst, New York

Location	Carbon Tetrachloride	Trichloroethene	Vinyl Chloride	1,1 dichloroethene	cis-1,2 dichlorethene	Tetrachloroethene	1,1,1 Trichloroethane
Basement	TPA	NFA	NFA	NFA	NFA	NFA	NFA
Drycleaner	NFA	TPA	NFA	NFA	NFA	Mitigate	NFA
Vacant - Former Manhattan Bagel	NFA	TPA	NFA	NFA	NFA	Mitigate	NFA

Notes:
1) NFA = no further action.
2) TPA = take reasonable and practical actions to identify source(s) and reduce exposures.
3) Mitigate = mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion.

FIGURES



LEGEND:

SP-1 APPROXIMATE LOCATION AND DESIGNATION OF COMPLETED SOIL PROBE

MW-1 APPROXIMATE LOCATION AND DESIGNATION OF INSTALLED MONITORING WELL

NOTES:

1. BASE MAP ADAPTED FROM AN AERIAL PHOTO DOWNLOADED FROM http://www.bing.com/maps/ AND FIELD OBSERVATIONS.

2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

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NORTHTOWN PLAZA
SHERIDAN DR, EGGERT RD, AND BAILEY AVE
AMHERST, NEW YORK

PHASE II ENVIRONMENTAL SITE ASSESSMENT
SITE / INVESTIGATION LOCATION PLAN

PREPARED BY: GZA GeoEnvironmental of N.Y. Engineers and Scientists, 535 WASHINGTON STREET 11th FLOOR, BUFFALO, NEW YORK 14203, (716) 685-2300		PREPARED FOR: NORTHTOWN ASSOCIATES, LLC	
PROJ MGR: CZB	REVIEWED BY:	CHECKED BY:	FIGURE 1
DESIGNED BY:	DRAWN BY: DEW	SCALE: AS SHOWN	
DATE JUNE 2014	PROJECT NO. 21.0056687.10	REVISION NO.	SHEET NO. 1 of 2

LEGEND:

MW-1 — APPROXIMATE LOCATION AND DESIGNATION OF INSTALLED MONITORING WELL

— 91.9 — GROUNDWATER CONTOUR

NOTES:

1. BASE MAP ADAPTED FROM AN AERIAL PHOTO DOWNLOADED FROM http://www.bing.com/maps/ AND FIELD OBSERVATIONS.

2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

3. STATE DATABASE HAS A SPILL #980427 LISTED FOR 4544 BAILEY AVENUE FROM A NYSDOT PROJECT ALONG BAILEY AVENUE. TANK LOCATIONS FROM AMHERST BUILDING DEPARTMENT SKETCH.

0 50 100 150

SCALE IN FEET

NORTHTOWN PLAZA
SHERIDAN DR, EGGERT RD, AND BAILEY AVE
AMHERST, NEW YORK

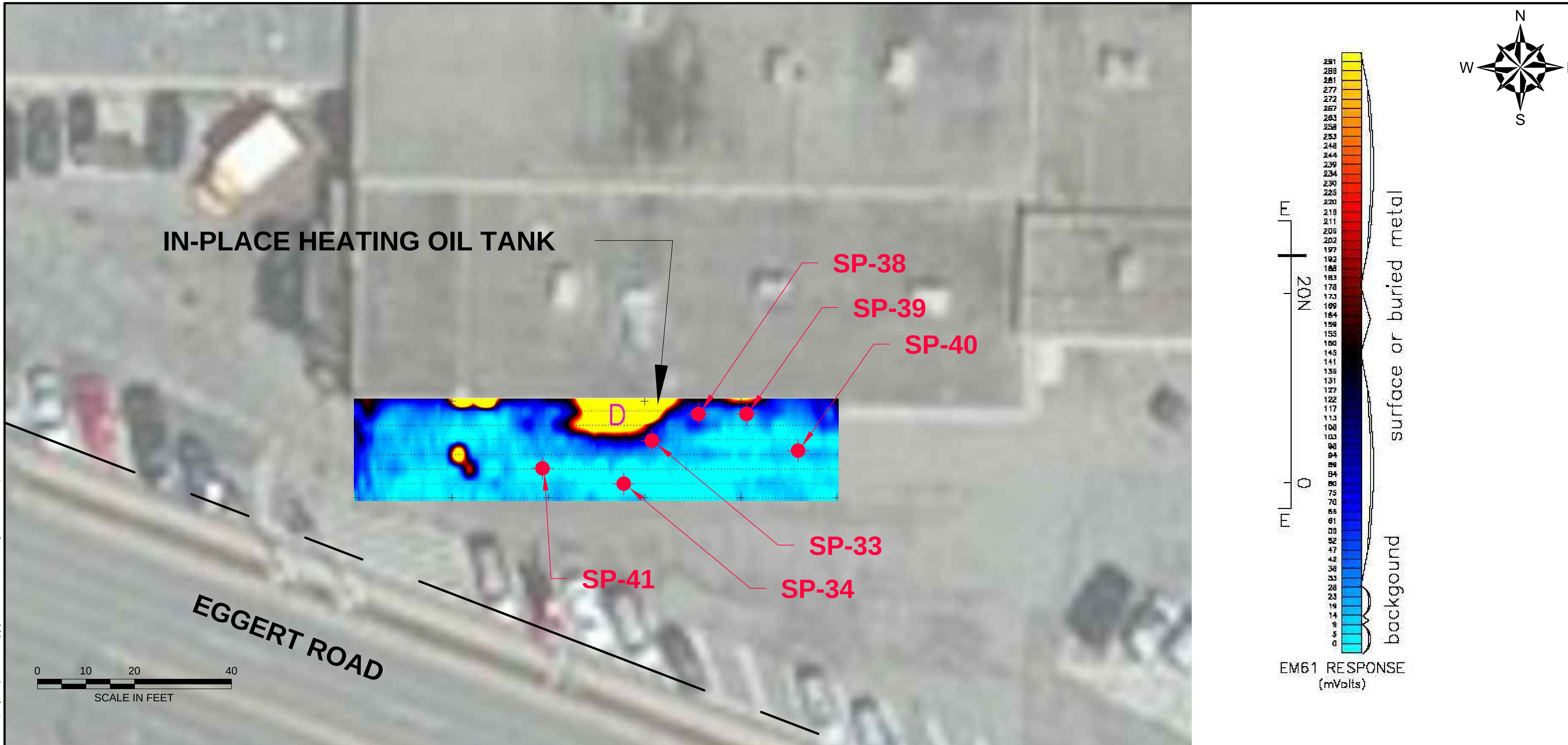
PHASE II ENVIRONMENTAL SITE ASSESSMENT
GROUNDWATER CONTOUR MAP

PREPARED BY:

GZA GeoEnvironmental of N.Y.
Engineers and Scientists
535 WASHINGTON STREET 11th FLOOR
BUFFALO, NEW YORK 14203
(716) 685-2300

PREPARED FOR:
NORTHTOWN ASSOCIATES, LLC

PROJ MGR: CZB	REVIEWED BY:	CHECKED BY:	FIGURE
DESIGNED BY:	DRAWN BY: DEW	SCALE: AS SHOWN	1A
DATE JUNE 2014	PROJECT NO. 21.0056687.10	REVISION NO.	SHEET NO. 1 of 2



LEGEND:

SP-33 — APPROXIMATE LOCATION AND DESIGNATION OF COMPLETED SOIL PROBE

NOTES:

1. BASE MAP ADAPTED FROM AN AERIAL PHOTO DOWNLOADED FROM http://www.bing.com/maps/ AND FIELD OBSERVATIONS.

2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

NORTHTOWN PLAZA
SHERIDAN DR, EGGERT RD, AND BAILEY AVE
AMHERST, NEW YORK

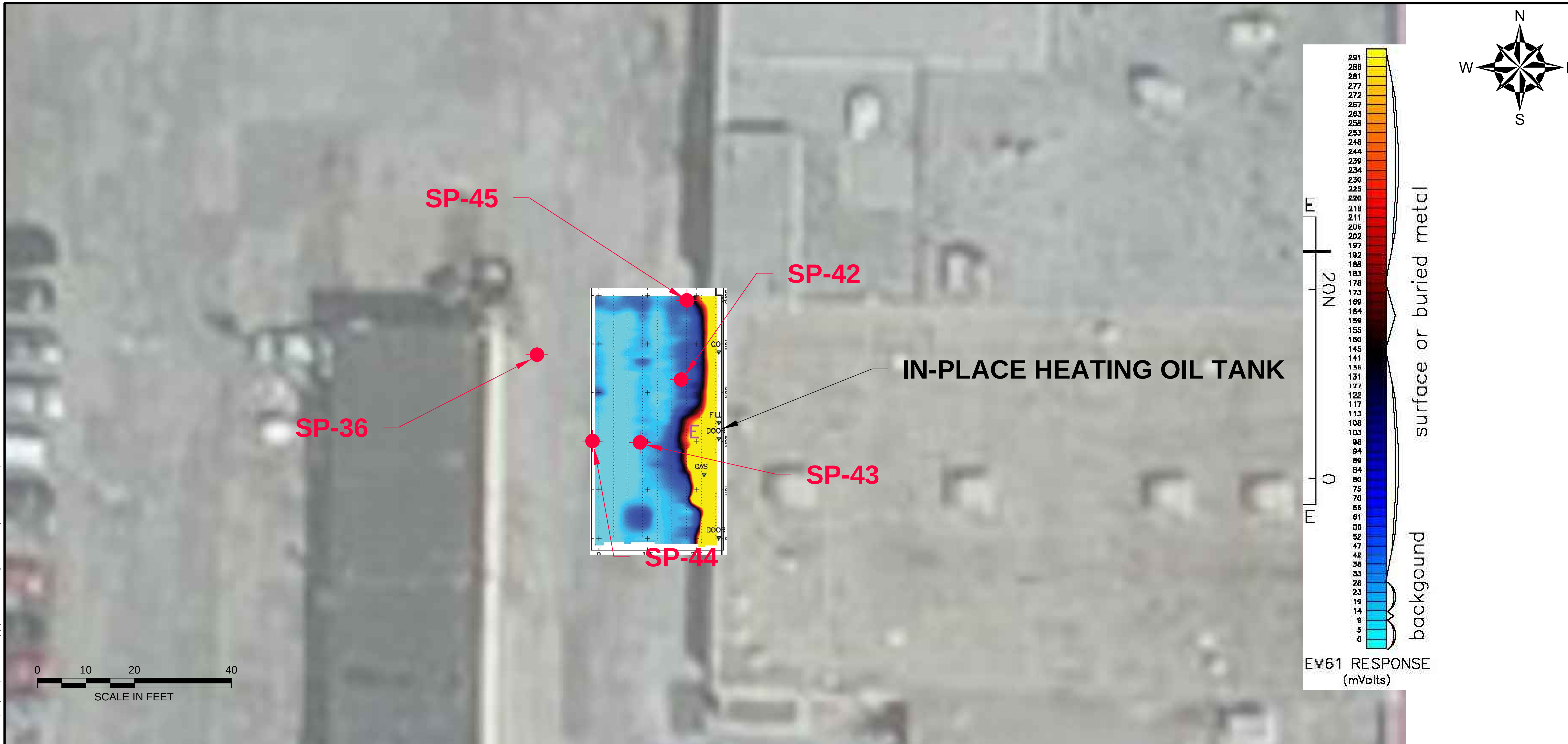
PHASE II ENVIRONMENTAL SITE ASSESSMENT

SOUTHERN HEATING OIL TANK

PREPARED BY:
GZA GeoEnvironmental of N.Y.
Engineers and Scientists
535 WASHINGTON STREET 11th FLOOR
BUFFALO, NEW YORK 14203
(716) 685-2300

PREPARED FOR:
NORTHTOWN ASSOCIATES, LLC

PROJ MGR: CZB	REVIEWED BY:	CHECKED BY:	FIGURE 2
DESIGNED BY:	DRAWN BY: DEW	SCALE: AS SHOWN	
DATE JUNE 2014	PROJECT NO. 21.0056687.10	REVISION NO.	SHEET NO. 2 of 4



LEGEND:

SP-33 — APPROXIMATE LOCATION AND DESIGNATION OF COMPLETED SOIL PROBE

NOTES:

1. BASE MAP ADAPTED FROM AN AERIAL PHOTO DOWNLOADED FROM http://www.bing.com/maps/ AND FIELD OBSERVATIONS.

2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

3. STATE DATABASE HAS A SPILL #980427 LISTED FOR 4544 BAILEY AVENUE FROM A NYSDOT PROJECT ALONG BAILEY AVENUE.

4. TANK LOCATIONS FROM AMHERST BUILDING DEPARTMENT SKETCHES.

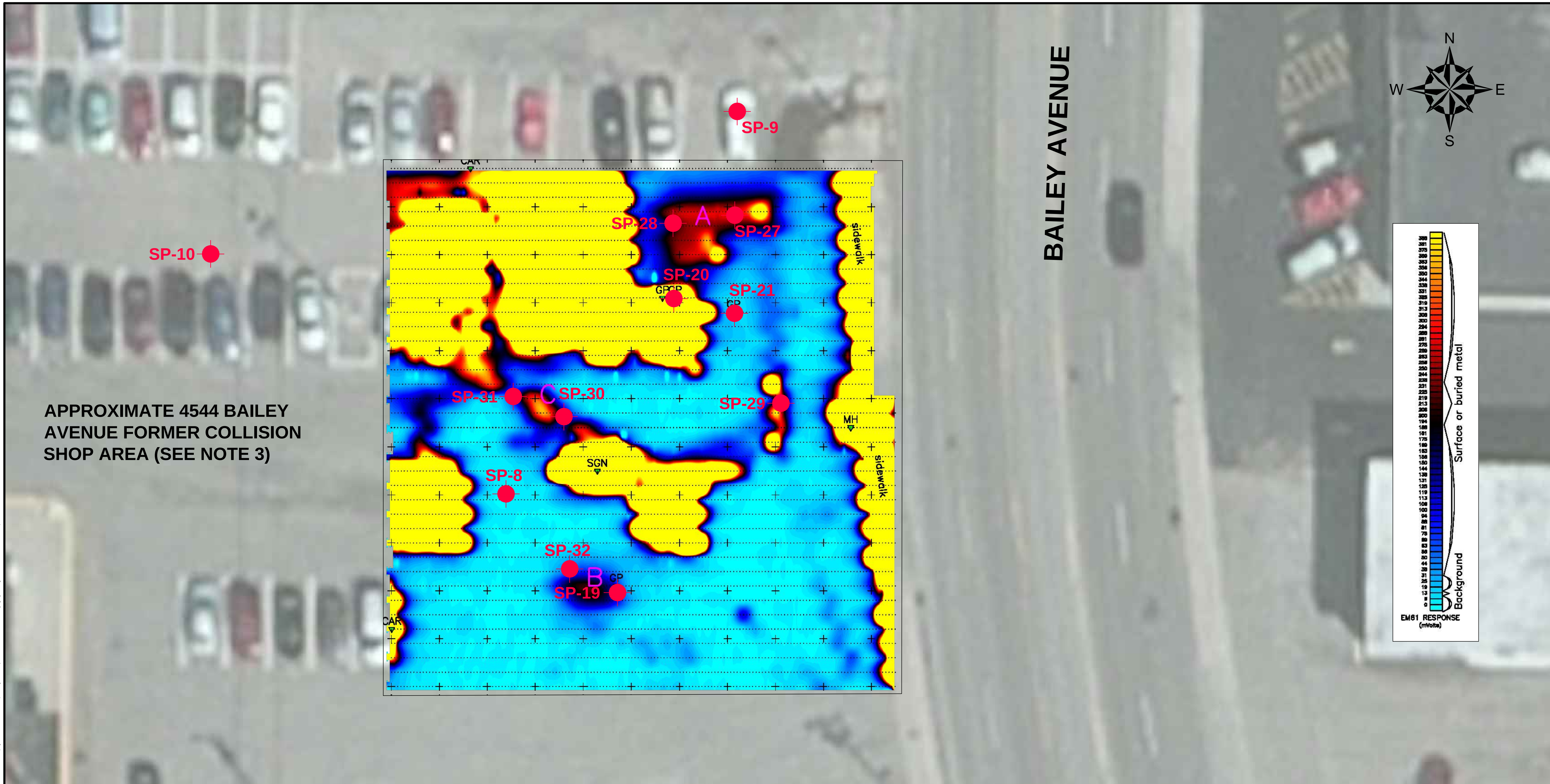
NORTHTOWN PLAZA
SHERIDAN DR, EGGERT RD, AND BAILEY AVE
AMHERST, NEW YORK

PHASE II ENVIRONMENTAL SITE ASSESSMENT
WESTERN HEATING
OIL TANK

PREPARED BY:
GZA GeoEnvironmental of N.Y.
Engineers and Scientists
535 WASHINGTON STREET 11th FLOOR
BUFFALO, NEW YORK 14203
(716) 685-2300

PREPARED FOR:
NORTHTOWN ASSOCIATES, LLC

PROJ MGR: CZB	REVIEWED BY:	CHECKED BY:	FIGURE 3
DESIGNED BY:	DRAWN BY: DEW	SCALE: AS SHOWN	
DATE JUNE 2014	PROJECT NO. 21.0056687.10	REVISION NO.	SHEET NO. 2 of 4



LEGEND:

SP-1 APPROXIMATE LOCATION AND DESIGNATION OF COMPLETED SOIL PROBE

NOTES:

1. BASE MAP ADAPTED FROM AN AERIAL PHOTO DOWNLOADED FROM http://www.bing.com/maps/ AND FIELD OBSERVATIONS.

2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

3. STATE DATABASE HAS A SPILL #980427 LISTED FOR 4544 BAILEY AVENUE FROM A NYSDOT PROJECT ALONG BAILEY AVENUE.

0 10 20 40

SCALE IN FEET

NORTHTOWN PLAZA
SHERIDAN DR, EGGERT RD, BAILEY AVE
AMHERST, NEW YORK

PHASE II ENVIRONMENTAL SITE ASSESSMENT
INVESTIGATION PLAN 4544 BAILEY AVE.

PREPARED BY:
GZA GeoEnvironmental of N.Y.
Engineers and Scientists
535 WASHINGTON STREET 11th FLOOR
BUFFALO, NEW YORK 14203
(716) 685-2300

PREPARED FOR:
NORTHTOWN ASSOCIATES, LLC

PROJ MGR: CZB	REVIEWED BY:	CHECKED BY:	FIGURE 4
DESIGNED BY:	DRAWN BY: DEW	SCALE: AS SHOWN	
DATE JUNE 2014	PROJECT NO. 21.0056687.10	REVISION NO.	SHEET NO. 1 of 1

LEGEND:

SP-5	APPROXIMATE LOCATION AND DESIGNATION OF COMPLETED SOIL PROBE
△	APPROXIMATE LOCATION OF INDOOR AIR SAMPLE & SUB-SLAB AIR SAMPLE
MW-1	APPROXIMATE LOCATION OF GROUNDWATER MONITORING WELL

NORTHTOWN PLAZA
SHERIDAN DR, EGGERT RD, AND BAILEY AVE
AMHERST, NEW YORK

PHASE II ENVIRONMENTAL SITE ASSESSMENT
INVESTIGATION OF
DRY CLEANER

PREPARED BY: GZA GeoEnvironmental of N.Y. Engineers and Scientists, 535 WASHINGTON STREET 11th FLOOR, BUFFALO, NEW YORK 14203, (716) 685-2300		PREPARED FOR: NORTHTOWN ASSOCIATES, LLC	
PROJ MGR: CZB	REVIEWED BY:	CHECKED BY:	FIGURE 5
DESIGNED BY:	DRAWN BY: DEW	SCALE: AS SHOWN	
DATE JUNE 2014	PROJECT NO. 21.0056687.10	REVISION NO.	SHEET NO. 2 of 2

APPENDIX A

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.

APPENDIX B

SOIL PROBE & TEST BORING/MONITORING WELL LOGS

CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Chad Britton	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	1/29/2014 END DATE 1/29/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	540 UB Truck-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt - 4-inches.		0.3
1				Fill - Dark Brown/Gray SAND, some Gravel, trace Silt, trace Clay, moist.		
2				Native - Reddish Brown Silty CLAY, trace Gravel, trace Sand, moist.		0.2
3						
4	S-2	4 - 8	100			0.5
5						
6						0.3
7						
8	S-3	8 - 12	100			0.5
9						
10						0.5
11						
12	S-4	12 - 16	100			0.5
13						
14						0.9
15						
16				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

S - Split Spoon Sample
C - Rock Core Sample

NOTES: MiniRAE 3000 was used to field screen and headspace soil samples.
bgs = Below ground surface. ppm = parts per million.

General Notes:
1) Stratification lines represent approximate boundry 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.

CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Chad Britton	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	1/30/2014 END DATE 1/30/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	Geoprobe 6620 DT Track-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt - 4-inches.		1.1
1				Fill - Dark Brown SAND, some Gravel, trace Silt, trace Clay,		
				trace Glass, trace Slag, trace Brick, moist.		
2				Native - Reddish Brown Silty CLAY, trace Gravel, trace Silt, moist.		
						0.9
3						
4						
	S-2	4 - 8	100			0.3
5						
6						
						0.3
7						
8						
	S-3	8 - 12	100			0.6
9						
10						
						0.5
11						
12						
	S-4	12 - 16	100			0.2
13						
14						
						0.3
15						
16						
	S-5	16 - 20	100			0.1
17						
18						
						0.1
19						
20				End of soil probe at 20 feet below ground surface.		

S - Split Spoon Sample
C - Rock Core Sample

NOTES: MiniRAE 3000 was used to field screen and headspace soil samples.
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General Notes:
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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Chad Britton	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	1/30/2014 END DATE 1/30/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	Geoprobe 6620 DT Track-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt - 4-inches.		1.4
1				Fill - Gray SAND, some Gravel, trace Silt, trace Clay, moist.		
2						
				Native - Reddish Brown Silty CLAY, trace Gravel, trace Silt, moist.		0.4
3						
4						
	S-2	4 - 8	100			0.9
5						
6						
						0.1
7						
8						
	S-3	8 - 12	100			0.1
9						
10						
						0.2
11						
12						
	S-4	12 - 16	100			0.1
13						
14						
						0.1
15						
16						
				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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C - Rock Core Sample

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Chad Britton	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	1/30/2014 END DATE 1/31/2014	GZA GEOENVIRONMENTAL REPRESENTATIVI	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	Geoprobe 6620 DT Track-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHO	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	70	Asphalt - 4-inches.		0.4
1				Fill - Dark Brown/Gray SAND, some Gravel, trace Silt, trace Clay, moist.		
2						
				Native - Reddish Brown Silty CLAY, trace Gravel, trace Sand, moist.		0.2
3						
4						
	S-2	4 - 8	100			0.2
5						
6						
						0.1
7						
8						
	S-3	8 - 12	100			0.1
9						
10						
						0.4
11						
12						
	S-4	12 - 16	100	Grades to: moist/wet.		0.2
13						
14						
				Grades to: moist.		0.3
15						
16						
	S-5	16 - 20	100			0.1
17						
18						
						0.3
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Chad Britton	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	1/30/2014 END DATE 1/31/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T.Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	Geoprobe 6620 DT Track-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHO	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-6	20 - 24	100	Native - Reddish Brown Silty CLAY, trace Gravel, trace Sand, moist.		0.0
21						
22						0.0
23						
24	S-7	24 - 28	100			0.3
25						
26						0.1
27						
28	S-8	28 - 32	100			0.0
29						
30						
31						
32				End of soil probe at 32 feet below ground surface.		
33						
34						
35						
36						
37						
38						
39						
40						

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C - Rock Core Sample

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Chad Britton	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	1/30/2014 END DATE 1/30/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	Geoprobe 6620 DT Track-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt - 4-inches.		0.3
1				Fill - Dark Brown SAND, some Gravel, little Slag, trace Silt, trace Clay, moist.		
2				Native - Black Silty CLAY, trace Gravel, trace Sand, moist from 1 to 1.5 feet bgs. Grades to…. Reddish Brown at 1.5 feet bgs.		0.1
3						
4	S-2	4 - 8	100			0.1
5						
6						0.1
7						
8	S-3	8 - 12	100			0.2
9						
10						0.1
11						
12	S-4	12 - 16	100			0.1
13						
14						0.1
15						
16				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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NOTES: MiniRAE 3000 was used to field screen and headspace soil samples.
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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Chad Britton	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	1/30/2014 END DATE 1/30/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	Geoprobe 6620 DT Track-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	SAMPLE INFORMATION: Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt - 4-inches.		0.2
1				Fill - Brown/Gray SAND, some Gravel, trace Slag, trace Silt trace Clay, moist.		
2				Native - Reddish Brown Silty CLAY, trace Gravel, trace Sand, moist.		0
3						
4	S-2	4 - 8	100			0.1
5						
6						0
7						
8	S-3	8 - 12	100			0
9						
10						0
11						
12	S-4	12 - 16	100	Grades to: moist/wet.		0.1
13						
14						0
15						
16				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Chad Britton	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	1/30/2014 END DATE 1/30/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	Geoprobe 6620 DT Track-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt - 4-inches.		1
1				Fill - Dark Brown SAND, some Gravel, trace Silt, trace Clay, moist.		
2				Native - Reddish Brown Silty CLAY, trace Gravel, trace Sand, moist.		0.2
3						
4	S-2	4 - 8	100			0.5
5						
6						0.3
7						
8	S-3	8 - 12	100			0.3
9						
10						0.9
11						
12	S-4	12 - 16	100			0.2
13						
14						0.2
15						
16				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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C - Rock Core Sample

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Chad Britton	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	1/31/2014 END DATE 1/31/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	Geoprobe 6620 DT Track-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	90	Asphalt - 4-inches.		9.6
1				Fill - Dark Brown/Gray SAND, some Gravel, trace Silt, trace Clay, moist.		
2				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		
						2.7
3						
4						
	S-2	4 - 8	80	Grades to: moist/wet. Petroleum odor observed.		4.2
5						
6						
						4.1
7						
8						
	S-3	8 - 12	100	Grades to: Reddish Brown, petroleum odor no longer observed.		0.2
9						
10						
						0.2
11						
12						
	S-4	12 - 16	100			0.2
13						
14						
						0.2
15						
16						
				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Chad Britton	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	1/31/2014 END DATE 1/31/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	Geoprobe 6620 DT Track-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	SAMPLE INFORMATION: Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt - 4-inches.		0.4
1				Fill - Brown SAND, some Gravel, trace Slag, trace Brick,		
				trace Silt, trace Clay, moist (to 1-foot bgs).		
2				Native - Black Silty CLAY, trace Gravel, trace Sand, moist/wet.		
						0.1
3						
4						
	S-2	4 - 8	100			0.1
5						
6						
						0.1
7						
8				Grades to: Reddish Brown, moist.		
	S-3	8 - 12	100			0.1
9						
10						
						0.1
11						
12						
	S-4	12 - 16	100			0.1
13						
14						
						0.2
15						
16						
				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Chad Britton	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	1/31/2014 END DATE 1/31/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	Geoprobe 6620 DT Track-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt - 4-inches.		4.7
1				Fill - Dark Brown SAND, some Gravel, trace Brick, trace Silt trace Clay, moist. 2-inches of coarse SLAG at 1.5-feet bgs.		
2				Native - Black Silty CLAY, trace Gravel, trace Sand, moist.		0.3
3						
4	S-2	4 - 8	100	Grades to: Reddish Brown.		0.3
5						
6						0
7						
8	S-3	8 - 12	100			0
9						
10						0
11						
12	S-4	12 - 16	100			0
13						
14						0
15						
16				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Chad Britton	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	END DATE	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	Geoprobe 6620 DT Track-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt - 4-inches.		2.1
1				Fill - Dark Brown SAND, some Gravel, trace Silt, trace Clay		
				moist. 2-inches of coarse SLAG at 1-foot bgs.		
2				Native - Reddish Brown Silty CLAY, trace Gravel, trace Sand,		
				moist.		0.4
3						
4						
	S-2	4 - 8	100			0.8
5						
6						
						7.3
7						
				Green/Gray Discoloration (small area approximately the size of	Sampled this green/	
8				a quarter). Slight solvent (sweet) odor observed.	gray discolored area .	
	S-3	8 - 12	100			2.6
9						
10						
						173
11						
12						
	S-4	12 - 16	100			104
13						
14						
				Solvent odor no longer observed.		1.7
15						
16						
				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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C - Rock Core Sample

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Chad Britton	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	1/31/2014 END DATE 1/31/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	Geoprobe 6620 DT Track-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt - 4-inches.		0.4
1				Fill - Dark Brown/Gray SAND, some Gravel, trace Slag, trace Silt, trace Clay, moist.		
2				Native - Reddish Brown Silty CLAY, trace Gravel, trace Silt, moist.		
						0.3
3						
4						
	S-2	4 - 8	100			0.6
5						
6						
						0.6
7						
8						
	S-3	8 - 12	100			1.6
9						
10						
						0.6
11						
12						
	S-4	12 - 16	100			0
13						
14						
						0
15						
16						
				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Chad Britton	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	1/31/2014 END DATE 1/31/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	Geoprobe 6620 DT Track-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt - 4-inches.		0.1
1				Fill - Dark Brown/Gray SAND, some Gravel, trace Silt, trace		
				Clay, moist.		
2				Native - Gray/Black Silty CLAY, trace Gravel, trace Sand,		
				moist.		10.6
3						
4				Black staining from 3.5 to 4 feet bgs. Petroleum odor observed.	Sample from black	
	S-2	4 - 8	100	Slight green staining from 4 to 6 feet bgs.	stained interval.	10.4
5						
6						
				Grades to: Reddish Brown, odor no longer observed.		1.1
7						
8						
	S-3	8 - 12	100			3.0
9						
10						
				Grades to: little Sand.		0.3
11				Grades to: trace Sand.		
12						
	S-4	12 - 16	100			0.1
13						
14						
						0.4
15						
16						
				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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C - Rock Core Sample

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Chad Britton	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	1/31/2014 END DATE 1/31/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	Geoprobe 6620 DT Track-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	90	Asphalt - 4-inches.		1.5
1				Fill - Dark Brown/Gray SAND, some Gravel, trace Silt, trace Clay, moist.		
2				Native - Gray Silty CLAY, trace Gravel, trace Sand, moist.		
						1.1
3						
4						
	S-2	4 - 8	80			0.8
5						
6						
				Grades to: Reddish Brown.		0.6
7						
8						
	S-3	8 - 12	100			0.4
9						
10						
						0.1
11						
12						
	S-4	12 - 16	100			0
13						
14						
						0
15						
16						
				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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CONTRACTOR: TREC Environmental
DRILLER: Chad Britton
START DATE: 1/31/2014 END DATE 1/31/2014
BORING LOCATION: See Site Plan
GROUND SURFACE ELEVATION: NM DATUM: NA
GZA GEOENVIRONMENTAL REPRESENTATIVE: T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG: Geoprobe 6620 DT Track-Mounted Rig
CASING SIZE AND DIAMETER: 2" diameter by 48" long
OVERBURDEN SAMPLING METHOD: Direct push
ROCK DRILLING METHOD: NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt - 4-inches.		5.1
1				Fill - Dark Brown/Gray SAND, some Gravel, trace Silt, trace Clay, moist.		
2				Native - Gray Silty CLAY, trace Gravel, trace Sand, moist.		0.1
3				Septic odor observed from 3 to 4.5 feet bgs.		
4	S-2	4 - 8	100			0.3
5				Septic odor no longer observed. Grades to: Reddish Brown.		
6						0.1
7						
8	S-3	8 - 12	100			0.1
9						
10						0.3
11						
12	S-4	12 - 16	100			0.4
13						
14						0.3
15						
16				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Jim Agar	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	3/30/2014 END DATE 3/30/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	Geoprobe 54LT Track Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	70	Concrete (4-inches). Fill - Dark Brown fine SAND, trace		0
1				Gravel, moist (2-inches).		
				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		
2						
						0
3						
4						
	S-2	4 - 8	100			1
5						
6						
						5
7						
				Grades to: moist/wet.		
8						
	S-3	8 - 12	100			13.1
9						
				Grades to: moist.		
10						
						22.3
11						
12						
	S-4	12 - 16	100			5.5
13						
14						
						0.4
15						
16						
				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

S - Split Spoon Sample
C - Rock Core Sample

NOTES: MiniRAE 3000 was used to field screen and headspace soil samples.
bgs = Below ground surface. ppm = parts per million.

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Jim Agar	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	3/30/2014 END DATE 3/30/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	Geoprobe 54LT Track Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	25	Concrete (4-inches).		0
1				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		
2						0
3						
4	S-2	4 - 8	100			0.2
5				Grades to: moist/wet.		
6						0
7						
8	S-3	8 - 12	100			1.1
9						
10				Grades to moist.		1.3
11						
12	S-4	12 - 16	100			0.1
13						
14						0
15						
16				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Jim Agar	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	3/30/2014 END DATE 3/31/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	540 UB Truck-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt (8-inches). Fill - Dark Brown SAND and Gravel, trace Silt, trace Clay, moist.	Hand-augered to 4 feet bgs to clear for natural gas line.	0
1				Native - Gray/Black Silty CLAY, trace Gravel, trace Sand, moist.		
2						0
3						
4				Grades to: Brown.		
	S-2	4 - 8	100			0.3
5						
6						0.6
7						
8						
	S-3	8 - 12	100			0.2
9						
10						0.2
11						
12						
	S-4	12 - 16	100	Grades to: moist/wet.		0.4
13						
14						0.2
15						
16				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

S - Split Spoon Sample
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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Jim Agar	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	3/31/2014 END DATE 3/31/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	540 UB Truck-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	60	Asphalt (5-inches). Fill - Dark Brown GRAVEL and Sand, trace Silt, trace Clay, trace Slag, wet.		0
1						
2				Native - Gray/Black Silty CLAY, trace Gravel, trace Sand, wet.		0
3						
4	S-2	4 - 8	20			0.6
5						
6						0.6
7						
8	S-3	8 - 12	100			0.4
9				Grades to: Brown, moist.		
10						0
11						
12	S-4	12 - 16	100			0
13				Gradest to: moist/wet.		
14						0
15						
16				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

S - Split Spoon Sample
C - Rock Core Sample

NOTES: MiniRAE 3000 was used to field screen and headspace soil samples.
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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Jim Agar	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	3/30/2014 END DATE 3/31/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	540 UB Truck-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	70	Asphalt (5-inches). Fill - Brown SAND and Gravel, trace Silt, trace Clay, moist.	TREC air-knife refusal at 2.5' bgs - 3' east of SP-20 (in area of sketched USTs).	0
1				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		
2						0
3						
4	S-2	4 - 8	50	Grades to: Gray, moist/wet.		0
5						
6						0
7				Grades to: Brown, moist.		
8	S-3	8 - 12	100			0
9						
10						0
11						
12	S-4	12 - 16	100			0
13						
14						0
15						
16				End of soil probe at 16 feet below ground surface.		0
17						
18						
19						
20						

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DRILLER	Jim Agar	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	3/31/2014 END DATE 3/31/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	540 UB Truck-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	80	Asphalt (5-inches). Fill - Dark Brown/Gray SAND and		0
1				Gravel, trace Silt, trace Clay, moist.		
				Fill (reworked native material) - Gray/Black Silty CLAY, trace		
2				Gravel, trace Sand, moist.		
						2.4
3						
				Concrete (2-inches).		
4				Fill - Black fine SAND, trace Gravel, trace Silt, trace Clay, moist.		
	S-2	4 - 8	100	Native - Brown Silty CLAY, trace Gravel, trace Sand, moist. Black		2.6
5				discoloration and petroleum odor observed.		
6				End of black discoloration/petroleum odor.		
						0
7						
8						
	S-3	8 - 12	100			0
9						
10						
						0
11						
12						
	S-4	12 - 16	100			0
13						
14						
						0
15						
16						
				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Jim Agar	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	3/31/2014 END DATE 3/31/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	540 UB Truck-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	80	Asphalt (5-inches). Fill - Dark Brown/Gray/Black SAND		0
1				and Gravel, trace Silt, trace Clay, moist.		
				Native - Gray/Black Silty CLAY, trace Gravel, trace Sand, moist.		
2						
						0
3						
				Grades to: Brown.		
4						
	S-2	4 - 8	100			0
5						
6						
						0
7						
8						
	S-3	8 - 12	100			0
9						
10						
						0
11						
12						
	S-4	12 - 16	100			0
13						
14						
						0
15						
16						
				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Jim Agar	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	3/31/2014 END DATE 3/31/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING
#######	17:45	Dry	1" PVC

TYPE OF DRILL RIG	540 UB Truck-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	90	Asphalt (5-inches). Fill - Dark Brown fine to coarse SAND	1-inch diameter micro-	0.3
1				(3-inches).	well installed with	
				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.	roadbox.	
2					Bentonite chips from	
				Grades to: Gray.	0 to 3 feet bgs.	0.7
3				Grades to: Brown.	Riser pipe from 0 to 4	
					feet bgs.	
4						
	S-2	4 - 8	100		10-slot screen from 4	20.7
5					to 18.9 feet bgs.	
				Solvent-like odor observed.		
6					Sand pack (OON) from	
					3 to 18.9 feet bgs.	20.5
7						
8						
	S-3	8 - 12	100			18.8
9						
10						
						51.2
11						
12						
	S-4	12 - 16	10			71.3
13						
14						
						71.3
15						
16						
	S-5	16-19	100	Grades to: moist/wet.		68
17						
18						32
					Bottom of well at	
19					18.9-feet bgs.	
				Soil probe refusal at 19 feet bgs.		
20						

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DRILLER	Jim Agar	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	3/31/2014 END DATE 3/31/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	540 UB Truck-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	80	Asphalt (5-inches). Fill - Dark Brown SAND and Gravel, trace Silt, trace Clay, trace Slag, moist.		4.5
1				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		
2				Grades to: Gray.		0.2
3						
4				Grades to: Brown.		
	S-2	4 - 8	100			17.1
5						
6						1.5
7						
8				Solvent-like odor observed.		
	S-3	8 - 12	100			25.6
9						
10						8.7
11						
12						
	S-4	12 - 16	100	End of solvent-like odor.		2.5
13						
14						0
15						
16				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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START DATE	3/31/2014 END DATE 3/31/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	540 UB Truck-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	90	Asphalt (5-inches). Fill - Dark Brown SAND and Gravel, trace		3.5
1				Silt, trace Clay, moist		
				Native - Gray Silty CLAY, trace Gravel, trace Sand, moist.		
2				Gray discoloration.		
						0.4
3				Grades to: Brown.		
4						
	S-2	4 - 8	100			0.2
5						
6						
						0.2
7						
8						
	S-3	8 - 12	100			0.1
9						
10						
						0
11						
12						
				End of soil probe at 12 feet below ground surface.		
13						
14						
15						
16						
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Jim Agar	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	3/31/2014 END DATE 3/31/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	540 UB Truck-Mounted Rig
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt (4-inches). Fill - Dark Brown SAND and Gravel, trace Silt, trace Clay, trace Slag, moist.		0
1				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		
2						0
3						
4	S-2	4 - 8	100			0
5						
6						0
7						
8	S-3	8 - 12	100			0
9						
10						0
11						
12				End of soil probe at 12 feet below ground surface.		
13						
14						
15						
16						
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/8/2014 END DATE 5/8/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	40	Asphalt (4-inches). Fill - Gray GRAVEL and Sand, moist.		2.5
1						
2						0.2
3						
4				Fill - Brown GRAVEL and Sand, trace Silt, trace Clay, moist.		
	S-2	4 - 8	30			1.3
5						
6						0
7						
8				Grades to: wet.		
	S-3	8 - 12	90	Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		0
9						
10						0
11						
12						
	S-4	12 - 16	100			0
13						
14						0
15						
16				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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C - Rock Core Sample

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DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/8/2014 END DATE 5/8/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	50	Asphalt (5-inches). Fill - Gray GRAVEL and Sand, moist.		0.8
1						
2						0.5
3				Fill - Brown GRAVEL and Sand, trace Silt, trace Clay, moist.		
4	S-2	4 - 8	10			0.5
5						
6						12.8
7				Fill - Brown fine to coarse Pea Stone, wet. Petroleum odor.		
8	S-3	8 - 12	100			2.3
9						
10				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist. No petroleum odor.		0
11						
12	S-4	12 - 16	100			0
13						
14						0
15						
16				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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C - Rock Core Sample

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/8/2014 END DATE 5/8/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	SAMPLE INFORMATION: Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	60	Asphalt (5-inches). Fill - Brown GRAVEL and Sand, moist.		2.6
1						
2						2.6
3						
4				Native - Dark Brown/Gray Silty CLAY, trace Gravel, trace Sand,		
	S-2	4 - 8	90	moist.		8.6
5						
6						0
7				Grades to: Brown.		
8	S-3	8 - 12	100			0
9						
10						0
11						
12				Refusal at 12 feet below ground surface.		
13						
14						
15						
16						
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/8/2014 END DATE 5/8/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	60	Asphalt (4-inches). Fill - Brown/Gray GRAVEL and Sand, trace Silt, trace Clay, moist.		0.6
1						
2						0
3				Native - Dark Brown Silty CLAY, trace Gravel, trace Sand, moist.		
4	S-2	4 - 8	100			0
5						
6						0
7						
8	S-3	8 - 12	100	Grades to: Brown.		0
9						
10						0
11						
12				Refusal at 12 feet below ground surface.		
13						
14						
15						
16						
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/8/2014 END DATE 5/8/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	20	Asphalt (4-inches). Fill - Gray GRAVEL and Sand, trace Silt trace Clay, moist.		2
1						
2						0.2
3				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		
4	S-2	4 - 8	70	Grades to: Dark Gray.		0
5						
6						0
7						
8	S-3	8 - 12	50	Grades to: Brown.		0
9						
10						0
11						
12				Refusal at 12 feet below ground surface.		
13						
14						
15						
16						
17						
18						
19						
20						

S - Split Spoon Sample
C - Rock Core Sample

NOTES: MiniRAE 3000 was used to field screen and headspace soil samples.
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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/8/2014 END DATE 5/8/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	60	Asphalt (5-inches). Fill - Brown/Gray GRAVEL and Sand, trace Slag, trace Silt, trace Clay, moist.		6.7
1						
2						3
3						
4	S-2	4 - 8	80			0.6
5				Grades to: wet.		
6				Native - Dark Brown Silty CLAY, trace Gravel, trace Sand, moist.		1.6
7						
8	S-3	8 - 10.5	50	Grades to: Brown.		0
9						
10						0
11				Refusal at 10.5 feet below ground surface.		
12						
13						
14						
15						
16						
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/8/2014 END DATE 5/8/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	50	Asphalt (4-inches). Fill - Gray GRAVEL and Sand, trace Silt, trace Clay, moist.		51.3
1						
2						23.8
3				Black Staining/Sheen (2-inches), wet. Petroleum odor.		
4				Black Silty CLAY, trace Gravel, trace Sand, moist. Petroleum		
	S-2	4 - 8	100	odor.		0.9
5				Grades to: Brown.		
6				Grades to: No petroleum odor.		0.7
7						
8						
	S-3	8 - 11	100			2.2
9						
10						
11				Refusal at 11 feet below ground surface.		
12						
13						
14						
15						
16						
17						
18						
19						
20						

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DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/8/2014 END DATE 5/8/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt (4-inches). Fill - Gray GRAVEL and Sand, trace Silt, trace Clay, moist.		5.3
2				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		0
4	S-2	4 - 8	100			0
7						0
8	S-3	8 - 11.5	100			0
12				Refusal at 11.5 feet below ground surface.		
20						

S - Split Spoon Sample
C - Rock Core Sample

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DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/9/2014 END DATE 5/9/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	SAMPLE INFORMATION: Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	85	Asphalt (4-inches). Fill - Gray GRAVEL and Sand, trace Silt,		0
1				trace Clay, moist. Grades to: wet (bottom 2-inches).		
				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		
2						
						0
3						
4						
	S-2	4 - 8	100			0
5						
6						
						0
7						
8						
	S-3	8 - 12	100			0
9						
10						
						0
11						
12						
	S-4	12 - 16	100			0
13						
14						
						0
15						
16						
				Refusal at 16 feet below ground surface.		
17						
18						
19						
20						

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DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/9/2014 END DATE 5/9/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	40	Asphalt (4-inches). Fill - Brown/Gray GRAVEL and Sand, trace Silt, trace Clay, moist.		5.7
1						
2						
3						0
4				Native - Gray Silty CLAY, trace Gravel, trace Sand, moist.		
	S-2	4 - 8	100			0
5						
6						
7						0
8						
	S-3	8 - 11.7	100			0
9						
10						
11				Grades to: Brown.		
12				Refusal at 11.7 feet below ground surface.		
13						
14						
15						
16						
17						
18						
19						
20						

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DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/9/2014 END DATE 5/9/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	80	Asphalt (4-inches). Fill - Brown/Gray GRAVEL and Sand, trace Slag, trace Silt, trace Clay, moist.		20.7
1				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		
2						0.6
3						
4	S-2	4 - 8	100			13.6
5						
6						22.5
7						
8	S-3	8 - 11.9	100			13.5
9						
10						13.9
11						
12				Refusal at 11.9 feet below ground surface.		
13						
14						
15						
16						
17						
18						
19						
20						

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DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/9/2014 END DATE 5/9/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	20	Asphalt (4-inches). Fill - Brown/Gray GRAVEL and Sand, trace Slag, trace Silt, trace Clay, moist.		9.3
1						
2						12.1
3						
4				Black Staining, Sheen, Product, and Petroleum odor. Wet.		
	S-2	4 - 8	90			177
5				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		
6						23.3
7						
8						
	S-3	8 - 11.5	100			4.0
9						
10						
11						
12				Refusal at 11.5 feet below ground surface.		
13						
14						
15						
16						
17						
18						
19						
20						

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DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/9/2014 END DATE 5/9/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	10	Asphalt (4-inches). Fill - Brown/Gray GRAVEL and Sand, trace		6.2
1				Slag, trace Silt, trace Clay, moist.		
2						
						12.6
3						
4				Black Staining, Sheen, and Petroleum odor. Wet.		
	S-2	4 - 8	10			13.4
5				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		
6						
						1.6
7						
8						
	S-3	8 - 11.5	100			1.4
9						
10						
						1.4
11						
12				Refusal at 11.5 feet below ground surface.		
13						
14						
15						
16						
17						
18						
19						
20						

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DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/9/2014 END DATE 5/9/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt (4-inches). Fill - Brown/Gray GRAVEL and Sand, trace Slag, trace Silt, trace Clay, moist.		24.7
1				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		
2						3.1
3						
4	S-2	4 - 8	100			1.2
5						
6						0.6
7						
8				End of soil probe at 8 feet below ground surface.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/9/2014 END DATE 5/9/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt (4-inches). Fill - Brown/Gray GRAVEL and Sand, trace		3.9
1				Slag, trace Silt, trace Clay, moist.		
				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		
2						
						0.8
3						
4						
	S-2	4 - 8	100			1.2
5						
6						
						1.4
7						
8						
				End of soil probe at 8 feet below ground surface.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/9/2014 END DATE 5/9/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	30	Asphalt (4-inches). Fill - Brown/Gray GRAVEL and Sand, trace Slag, trace Silt, trace Clay, moist.		0.3
1						
2						2.1
3				Grades to: Black staining, sheen, and petroleum odor.		
4	S-2	4 - 8	70	Native - Brown Silty CLAY, trace Gravel, trace Sand, moist. Black staining and petroleum odor.		18.8
5						
6						62.8
7						
8	S-3	8 - 11.8	100	Grades to: No black staining or petroleum odor.		5.8
9						
10						
11						
12				Refusal at 11.8 feet below ground surface.		
13						
14						
15						
16						
17						
18						
19						
20						

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DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/9/2014 END DATE 5/9/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	90	Asphalt (4-inches). Fill - Brown/Gray GRAVEL and Sand, trace Silt, trace Clay, moist.		0.2
1						
2				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		
						0.1
3						
4	S-2	4 - 8	100	Grades to: Gray, petroleum odor.		36.9
5						
6						11.1
7						
8	S-3	8 - 12	100	Grades to: Brown, no petroleum odor.		0.2
9						
10						0
11						
12				End of soil probe at 12 feet below ground surface.		
13						
14						
15						
16						
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Justin Hofschneider	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/9/2014 END DATE 5/9/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	T. Bohlen

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	60	Asphalt (4-inches). Fill - Brown/Gray GRAVEL and Sand, trace Slag, trace Silt, trace Clay, moist.		0
1						
2						0.4
3				Native - Brown Silty CLAY, trace Gravel, trace Sand, moist.		
4	S-2	4 - 8	100	Grades to: Gray.		0
5						
6						0
7				Grades to: Brown.		
8				End of soil probe at 8 feet below ground surface.		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Kurt Ballfastern	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/12/2014 END DATE 5/12/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	30	Asphalt (5-inches). Fill - Gray GRAVEL and Sand, trace Silt, trace Clay, moist.		0.3
1				Fill - Brown fine to coarse SAND, some Gravel, little Silt, moist.		
2						0.3
3						
4	S-2	4 - 8	30	Native - Grayish Brown Silty CLAY, trace Gravel, trace Sand, moist.		2.2
5						
6						2.2
7						
8	S-3	8 - 12	40	Grades to: Brown, trace organics.		1.8
9						
10						1.8
11						
12	S-4	12 - 16	80			1.2
13						
14						1.2
15						
16				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Kurt Ballfastern	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/12/2014 END DATE 5/12/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	40	Asphalt (2-inches). Fill - Brown fine to coarse SAND, little Silt, trace Gravel, moist (to 8" below ground surface). Fill - Gray GRAVEL and Sand, trace Silt, moist.		9.8
1						
2				Native - Reddish Brown Silty CLAY, trace Gravel, trace Sand, moist.		9.8
3						
4	S-2	4 - 8	100	Grades to: trace Gravel, trace Sand.		2.9
5						
6						2.9
7						
8	S-3	8 - 12	100			5.2
9						
10						1.9
11						
12	S-4	12 - 16	100			0.3
13						
14						0.2
15						
16				End of soil probe at 16 feet below ground surface.		
17						
18						
19						
20						

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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Kurt Ballfastern	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/12/2014 END DATE 5/12/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	40	Asphalt (2-inches). Fill - Gray SAND and Gravel, trace Silt,		5.1
1				moist.		
2				Native - Reddish Brown Silty CLAY, trace Gravel, trace Sand,		
				moist.		18.4
3						
4						
	S-2	4 - 8	100			67
5						
6						
				Pungent odor.		4,554
7						
8						
	S-3	8 - 12	100	End pungent odor.		416
9						
10						
						374.2
11						
12						
	S-4	12 - 16	100			364.4
13						
14						
						371.8
15						
16						
	S-5	16 - 20	100			352.8
17						
18						
						51.5
19						
20				End of soil probe at 20 feet below ground surface.		

S - Split Spoon Sample
C - Rock Core Sample

NOTES: MiniRAE 3000 was used to field screen and headspace soil samples.
bgs = Below ground surface. ppm = parts per million.

General Notes:
1) Stratification lines represent approximate boundry 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.

CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Kurt Ballfastern	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/12/2014 END DATE 5/12/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG:
CASING SIZE AND DIAMETER: 2" diameter by 48" long
OVERBURDEN SAMPLING METHOD: Direct push
ROCK DRILLING METHOD: NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	40	Asphalt (4-inches). Fill - Gray SAND and Gravel, trace Silt,		2.1
1				moist.		
				Native - Dark Grayish Brown Silty CLAY, trace Gravel, trace		
2				Sand, moist. Grades to: Brown at 1.5 feet below ground		
				surface.		2.4
3						
4						
	S-2	4 - 8	100			16.1
5						
6						
						67.9
7						
8						
	S-3	8 - 12	100			220.5
9						
10						
						286.0
11						
12						
	S-4	12 - 16	100			196.9
13						
14						
						263.6
15						
16						
	S-5	16 - 20	100			331.7
17						
18						
						396.6
19						
20				End of soil probe at 20 feet below ground surface.		

S - Split Spoon Sample
C - Rock Core Sample

NOTES: MiniRAE 3000 was used to field screen and headspace soil samples.
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General Notes:
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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.

CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Kurt Ballfastern	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/12/2014 END DATE 5/12/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	100	Asphalt (6-inches). Fill - Gray SAND and Gravel, trace Silt, moist.		2.7
1				Brown Silty CLAY, trace Gravel, trace Sand, moist.		
2						3.8
3						
4	S-2	4 - 8	100			249.6
5						
6						357.1
7						
8	S-3	8 - 12	100			362.5
9						
10						284.7
11						
12	S-4	12 - 16	100			447.7
13						
14						380.6
15						
16	S-5	16 - 20	100			389.9
17						
18						378.8
19						
20				End of soil probe at 20 feet below ground surface.		

S - Split Spoon Sample
C - Rock Core Sample

NOTES: MiniRAE 3000 was used to field screen and headspace soil samples.
bgs = Below ground surface. ppm = parts per million.

General Notes:
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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.

CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Kurt Ballfastern	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/12/2014 END DATE 5/12/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	20	Asphalt (5-inches). Fill - Gray SAND and Gravel, moist.		0.8
1						
				Brown Silty CLAY, trace Gravel, trace Sand, moist.		
2						
						0.8
3						
4						
	S-2	4 - 8	20			1.2
5						
6						
						1.2
7						
8						
	S-3	8 - 12	100			84.5
9						
10						
						60.7
11						
12						
	S-4	12 - 16	100			7.3
13						
14						
						1.8
15						
16						
	S-5	16 - 20	100	End of soil probe at 20 feet below ground surface.		
17						
18						
						378.8
19						
20						

S - Split Spoon Sample
C - Rock Core Sample

NOTES: MiniRAE 3000 was used to field screen and headspace soil samples.
bgs = Below ground surface. ppm = parts per million.

General Notes:
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CONTRACTOR	TREC Environmental	BORING LOCATION	See Site Plan
DRILLER	Kurt Ballfastern	GROUND SURFACE ELEVATION	NM DATUM NA
START DATE	5/12/2014 END DATE 5/12/2014	GZA GEOENVIRONMENTAL REPRESENTATIVE	J. Beninati

WATER LEVEL DATA

DATE	TIME	WATER	CASING

TYPE OF DRILL RIG	
CASING SIZE AND DIAMETER	2" diameter by 48" long
OVERBURDEN SAMPLING METHOD	Direct push
ROCK DRILLING METHOD	NA

DEPTH	Sample Number	DEPTH (FT)	RECOVERY (%)	SAMPLE DESCRIPTION	NOTES	OVM (ppm)
	S-1	0 - 4	20	Asphalt (6-inches). Fill - Gray SAND and Gravel, trace Silt, trace Glass, moist.		3.4
1				Brownish Gray Silty CLAY, trace Gravel, trace Sand, moist.		
2						6.8
3						
4	S-2	4 - 8	20			4.1
5						
6						5.8
7						
8	S-3	8 - 12	100			6.4
9						
10						7.3
11						
12	S-4	12 - 16	100			3.6
13						
14						3.3
15						
16	S-5	16 - 20	100	End of soil probe at 20 feet below ground surface.		
17						
18						378.8
19						
20						

S - Split Spoon Sample
C - Rock Core Sample

NOTES: MiniRAE 3000 was used to field screen and headspace soil samples.
bgs = Below ground surface. ppm = parts per million.

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Monitoring Well Installation
Northtown Plaza
Amherst, New York

Boring No. MW-1
Flie No. 21.0056687.10
Checked By: CZB

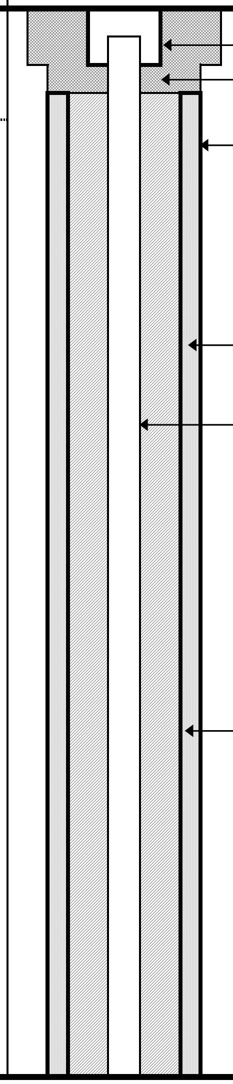
CONTRACTOR	Nature's Way, Inc	BORING LOCATION	See Location Plan
DRILLER	Steve Gingrich	GROUND SURFACE ELEVATION	DATUM
START DATE: 5/13/14	END DATE: 5/19/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	JMB/TDS

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	NOTES

TYPE OF DRILL RIG	Acker AD 2
CASING SIZE AND DIAMETER	6 $^{1}/_{4}$ HSAs/4-inch and 3-inch steel casing
OVERBURDEN SAMPLING METHOD	ASTM 1586
ROCK DRILLING METHOD	Not Applicable

DEPTH	SAMPLE BLOWS (/6")	NO.	DEPTH (FT)	N-VALUES /RQD	RECOVERY (%)	SAMPLE DESCRIPTION	WELL INSTALLATION DESCRIPTION	OVM (ppm)
	-	S-1	0-2	28	5	Asphalt to approximately 0.5 ft bgs.		
1	20					Fill - Dark Gray SAND and Gravel,	Flush-mount road box.	
	8					trace Silt, wet.	Portland cement	0.1
2	4							
	7	S-2	2-4	14	20	Native - Brown Silty CLAY, trace	Nominal 10" Borehole	0.1
3	6					fine to medium Sand, moist.	from 0 to 22 ft bgs.	
	8							
4	9							
	4	S-3	4-6	18	80			47
5	9							
	9							
6	14						Cement and bentonite	
	8	S-4	6=8	39	80	Grades to:..trace fine to coarse	grout from 1.5 to 22 ft	187
7	19					Sand.	bgs.	
	20							
8	16						Schedule 40 PVC well	
	6	S-5	8-10	24	50		riser to 44.7 ft bgs.	904
9	9							
	15							
10	17							
	4	S-6	10-12	30	40			2,830
11	15							
	15							
12	16							
	5	S-7	12-14	39	80			1,760
13	24							
	15						4" Steel Casing from	
14	16						0 to 22' bgs	
	4	S-8	14-16	17	40			1,586
15	8							
	9							
16	10							
	6	S-9	16-18	20	60			742
17	9							
	11							
18	14							
	12	S-10	18-20	21	5			445
19	9							
	12							
20	16							

WELL INSTALLATION DIAGRAM



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.
3) Background OVM readings ranged from 0 to 0.3 ppm.

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

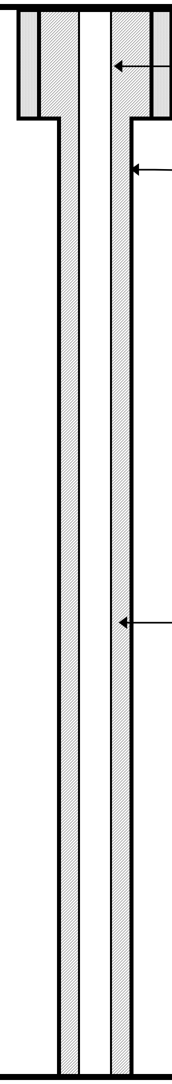
Boring No. MW-1
Flie No. 21.0056687.10
Checked By: CZB

CONTRACTOR	Nature's Way, Inc	BORING LOCATION	See Location Plan
DRILLER	Steve Gingrich	GROUND SURFACE ELEVATION	DATUM
START DATE: 5/13/14	END DATE: 5/19/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	JMB/TDS

WATER LEVEL DATA						
DATE	TIME	WATER	CASING	NOTES	TYPE OF DRILL RIG	Acker AD 2
					CASING SIZE AND DIAMETER	6 $^{1}/_{4}$ HSAs/4-inch and 3-inch steel casing
					OVERBURDEN SAMPLING METHOD	ASTM 1586
					ROCK DRILLING METHOD	Not Applicable

DEPTH	SAMPLE BLOWS (/6")	NO.	DEPTH (FT)	N-VALUES /RQD	RECOVERY (%)	SAMPLE DESCRIPTION	WELL INSTALLATION DESCRIPTION	OVM (ppm)
	2	S-11	20-22	20	100	Brown Silty CLAY, trace fine to		14.4
21	7					coarse Sand, moist.	Schedule 40 PVC well	
	13						riser to 44.7 ft bgs.	
22	16							
	6	S-12	22-24	28	10			3.7
23	14						3" Steel Casing from	
	14						22' to 54.7' bgs	
24	19							
	5	S-13	24-26	15	80			0.3
25	6							
	9							
26	14							
	9	S-14	26-28	20	40			0
27	11							
	9							
28	10							
	4	S-15	28-30	15	40			0
29	6							
	9							
30	10							
	7	S-16	30-32	11	20			0
31	5							
	6						Cement and bentonite	
32	9						grout from 22 to 54.7 ft	
	3	S-17	32-34	12	60		bgs.	0
33	5							
	7							
34	10							
	4	S-18	34-36	11	80			0
35	4							
	7							
36	9							
	4	S-19	36-38	10	10			0
37	5							
	5							
38	8							
39								
40								

WELL INSTALLATION DIAGRAM



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.
3) Background OVM readings ranged from 0 to 0.3 ppm.

General Notes:
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Monitoring Well Installation
Northtown Plaza
Amherst, New York

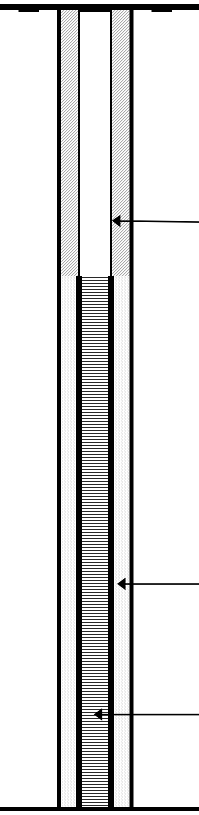
CONTRACTOR	Nature's Way, Inc	BORING LOCATION	See Location Plan
DRILLER	Steve Gingrich	GROUND SURFACE ELEVATION	DATUM
START DATE: 5/13/14	END DATE: 5/19/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	JMB/TDS
		TYPE OF DRILL RIG	Acker AD 2
		CASING SIZE AND DIAMETER	6 $^1/_4$ HSAs/4-inch and 3-inch steel casing
		OVERBURDEN SAMPLING METHOD	ASTM 1586
		ROCK DRILLING METHOD	Not Applicable

WATER LEVEL DATA

DATE	TIME	WATER	CASING	NOTES

DEPTH	BLOWS (/6")	NO.	DEPTH (FT)	N-VALUES /RQD	RECOVERY (%)	SAMPLE DESCRIPTION	OVM (ppm)
						Brown Silty CLAY, trace fine to coarse Sand, moist.	
41							
42							
43							
44							
45							
	1	S-20	45-47	6	100		0
46	2						
	4						
47	4						
48							
49							
50							
51							
52							
53							
	13	S-21	53-55	26	0		
54	12						
	14						
55	22						
						Bottom of well at approximately 54.7 ft bgs.	
56							
57							
58							
59							
60							

WELL INSTALLATION DIAGRAM



WELL INSTALLATION DESCRIPTION

Schedule 40 PVC well riser to 44.7 ft bgs.

Pre-pack sand pack from 44.7 to 54.7 ft bgs.

Schedule 40 #10 slot PVC well screen from 44.7 to 54.7 ft bgs.

S - Split Spoon Sample
C - Rock Core Sample

NOTES:
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Monitoring Well Installation
Northtown Plaza
Amherst, New York

Boring No. MW-2
Flie No. 21.0056687.10
Checked By: CZB

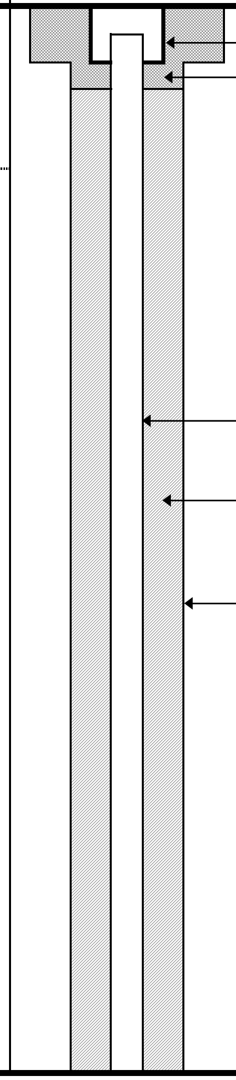
CONTRACTOR	Nature's Way, Inc	BORING LOCATION	See Location Plan
DRILLER	Steve Gingrich	GROUND SURFACE ELEVATION	DATUM
START DATE: 5/13/14	END DATE: 5/16/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	JMB/TDS

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	NOTES
5/14/14	8:05	4.9 ft	BGS	Tape
5/15/14	14:00	9.5 ft	BGS	Tape

TYPE OF DRILL RIG	Acker AD 2
CASING SIZE AND DIAMETER	4 $^{1}/_{4}$-inch HSAs
OVERBURDEN SAMPLING METHOD	ASTM 1586
ROCK DRILLING METHOD	Not Applicable

DEPTH	SAMPLE BLOWS (/6")	NO.	DEPTH (FT)	N-VALUES /RQD	RECOVERY (%)	SAMPLE DESCRIPTION	WELL INSTALLATION DESCRIPTION	OVM (ppm)
	40	S-1	0-2	34	30	Asphalt to approximately 0.2 ft bgs.		
1	6					Fill - Gray SAND and Gravel, trace	Flush-mount road box.	
	28					Silt, moist.	Portland cement	
2	6					Fill - Dark Gray, Silty CLAY, trace fine		0.8
	12	S-2	2-4	16	25	to coarse Sand, trace Glass		
3	10					fragments, moist.		
	6					Native - Grayish Brown, Silty CLAY,		
4	7					trace fine to medium Sand, moist.		1.6
	2	S-3	4-6	13	80	Grades to:..Yellowish Brown.		
5	6							
	7							
6	8							0.1
	4	S-4	6=8	34	80	Grades to:..trace fine to coarse Sand,		
7	15					trace fine to medium Gravel.		
	19							
8	20						Schedule 40 PVC well	0.2
	6	S-5	8-10	33	70		riser to 48 ft bgs.	
9	14							
	19						Cement and bentonite	
10	22						grout from 1.5 to 42 ft	0.2
	12	S-6	10-12	35	100	Grades to:..Brown.	bgs.	
11	14							
	21						Nominal 8" Borehole	
12	26						from 0 to 58 ft bgs.	0.1
	6	S-7	12-14	28	100			
13	12							
	16							
14	20							0.1
	3	S-8	14-16	14	50			
15	5							
	9							
16	10							0.2
	2	S-9	16-18	14	100			
17	6							
	8							
18	17							0.1
	2	S-10	18-20	14	50			
19	6							
	8							
20	11							

WELL INSTALLATION DIAGRAM



S - Split Spoon Sample
C - Rock Core Sample

NOTES:
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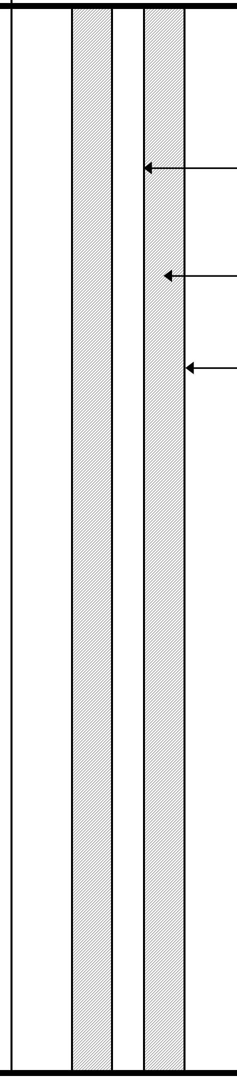
Monitoring Well Installation
Northtown Plaza
Amherst, New York

Boring No. MW-2
Flie No. 21.0056687.10
Checked By: CZB

CONTRACTOR	Nature's Way, Inc	BORING LOCATION	See Location Plan
DRILLER	Steve Gingrich	GROUND SURFACE ELEVATION	DATUM
START DATE: 5/13/14	END DATE: 5/16/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	JMB/TDS

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	NOTES
5/14/14	8:05	4.9 ft	BGS	Tape
5/15/14	14:00	9.5 ft	BGS	Tape

TYPE OF DRILL RIG	Acker AD 2
CASING SIZE AND DIAMETER	4 $^{1}/_{4}$-inch HSAs
OVERBURDEN SAMPLING METHOD	ASTM 1586
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)
	2	S-11	20-22	12	70	Brown Silty CLAY, trace fine to coarse Sand, trace fine to medium Gravel, moist.			0.1
21	4								
	8								
22	11								
	3	S-12	22-24	15	50				0.2
23	6							Schedule 40 PVC well riser to 48 ft bgs.	
	9								
24	13								
	2	S-13	24-26	12	50				0.1
25	5							Cement and bentonite grout from 1.5 to 42 ft bgs.	
	7								
26	9								
	2	S-14	26-28	12	100				0.1
27	5							Nominal 8" Borehole from 0 to 58 ft bgs.	
	7								
28	11								
	1	S-15	28-30	12	40				0.1
29	5								
	7								
30	10								
	2	S-16	30-32	12	60				0.1
31	5								
	7								
32	9								
	1	S-17	32-34	8	0				0.1
33	3								
	5								
34	7								
	1	S-18	34-36	5	100	Grades to:..trace fine Sand.			0.1
35	1								
	4								
36	3								
	WOH	S-19	36-38	5	100				0.1
37	2								
	3								
38	3								
	WOH	S-20	38-40	4	100				0.1
39	1								
	3								
40	3								

S - Split Spoon Sample
C - Rock Core Sample

NOTES:
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3) Background OVM readings ranged from 0 to 0.3 ppm.

General Notes:
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Monitoring Well Installation
Northtown Plaza
Amherst, New York

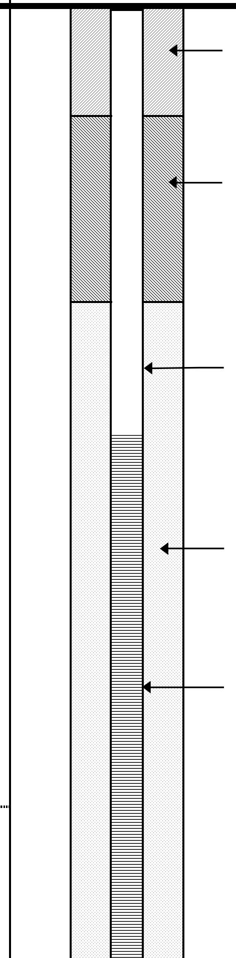
CONTRACTOR	Nature's Way, Inc	BORING LOCATION	See Location Plan
DRILLER	Steve Gingrich	GROUND SURFACE ELEVATION	DATUM
START DATE: 5/13/14	END DATE: 5/16/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	JMB/TDS

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	NOTES
5/14/14	8:05	4.9 ft	BGS	Tape
5/15/14	14:00	9.5 ft	BGS	Tape

TYPE OF DRILL RIG	Acker AD 2
CASING SIZE AND DIAMETER	4 $^{1}/_{4}$-inch HSAs
OVERBURDEN SAMPLING METHOD	ASTM 1586
ROCK DRILLING METHOD	Not Applicable

DEPTH	SAMPLE BLOWS (/6")	NO.	DEPTH (FT)	N-VALUES /RQD	RECOVERY (%)	SAMPLE DESCRIPTION	WELL INSTALLATION DESCRIPTION	OVM (ppm)
	WOH	S-21	40-42	4	100	Brown Silty CLAY, trace fine Sand,		
41	1					trace fine to medium Gravel, moist.	Cement and bentonite	
	3						grout from 1.5 to 42 ft	0.1
42	4						bgs.	
	WOH	S-22	42-44	1	100			
43	WOH							
	1						Bentonite pellet seal	0.1
44	3						from 42 to 45 ft bgs.	
	WOH	S-23	44-46	1	100			
45	WOH							
	1							0.1
46	3							
	WPR	S-24	46-48	1	100			
47	WOH						Schedule 40 PVC well	
	1						riser to 48 ft bgs.	0.1
48	4							
	WOH	S-25	48-50	1	100			
49	WOH							
	1							0.1
50	3							
	WOH	S-26	50-52	1	100		#00 QRock sand pack	
51	WOH						from 45.5 to 58 ft bgs.	
	1							0.1
52	3							
	WOH	S-27	52-54	1	100			
53	WOH						Schedule 40 #10 slot	
	1						PVC well screen from	0.1
54	3						48 to 58 ft bgs.	
	WOH	S-28	54-56	4	100			
55	1							
	3					Brown Silty CLAY, some fine to		0.1
56	5					coarse Sand, trace fine Gravel, wet.		
57						Augered from 56 to 58 ft. No		
						sample collected.		
58								
						Bottom of well at approximately 58		
59						ft bgs.		
60								

WELL INSTALLATION DIAGRAM



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.
3) Background OVM readings ranged from 0 to 0.3 ppm.

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-3
Flie No. 21.0056687.10
Checked By: CZB

CONTRACTOR	Nature's Way, Inc	BORING LOCATION	See Location Plan
DRILLER	Steve Gingrich	GROUND SURFACE ELEVATION	DATUM
START DATE: 5/15/14	END DATE: 5/16/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	JMB/TDS

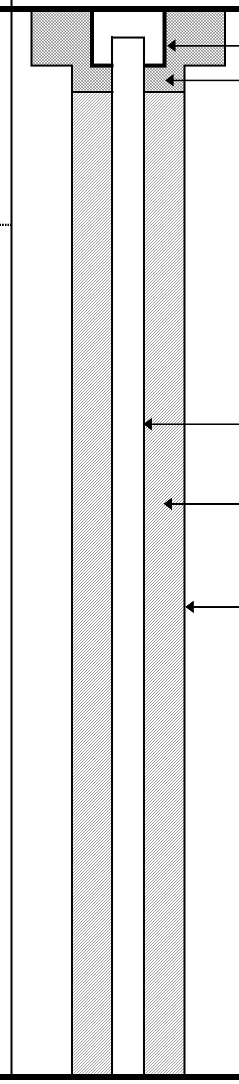
WATER LEVEL DATA

DATE	TIME	WATER	CASING	NOTES
5/15/14	14:30	7.5 ft	BGS	Tape

TYPE OF DRILL RIG	Acker AD 2
CASING SIZE AND DIAMETER	4 $^{1}/_{4}$-inch HSAs
OVERBURDEN SAMPLING METHOD	ASTM 1586
ROCK DRILLING METHOD	Not Applicable

DEPTH	SAMPLE BLOWS (/6")	NO.	DEPTH (FT)	N-VALUES /RQD	RECOVERY (%)	SAMPLE DESCRIPTION	OVM (ppm)
						Augered continuously from ground surface to approx. 4 ft bgs to collect sample. Subsequent samples were collected in 5-foot intervals. Soil material was continuously augered between sample intervals.	
1							
2							
3							
4							
	2	S-1	4-6	15	50	Native - Brown Silty CLAY, trace fine to coarse Sand, trace fine to medium Gravel, moist.	
5	5						0.2
	10						
6	23						
7							
8							
9							
	6	S-2	9-11	31	90		
10	13						0.1
	18						
11	26						
12							
13							
14							
	5	S-3	14-16	28	80		
15	13						0.1
	15						
16	24						
17							
18							
19							
	19	S-4	19-21	12	70		0.1
20	6						

WELL INSTALLATION DIAGRAM



WELL INSTALLATION DESCRIPTION

- Flush-mount road box.
- Portland cement
- Schedule 40 PVC well riser to 57.8 ft bgs.
- Cement and bentonite grout from 1.5 to 42 ft bgs.
- Nominal 8" Borehole from 0 to 57.8 ft 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.
3) Background OVM readings ranged from 0 to 0.3 ppm.

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

CONTRACTOR	Nature's Way, Inc	BORING LOCATION	See Location Plan
DRILLER	Steve Gingrich	GROUND SURFACE ELEVATION	DATUM
START DATE: 5/15/14	END DATE: 5/16/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	JMB/TDS

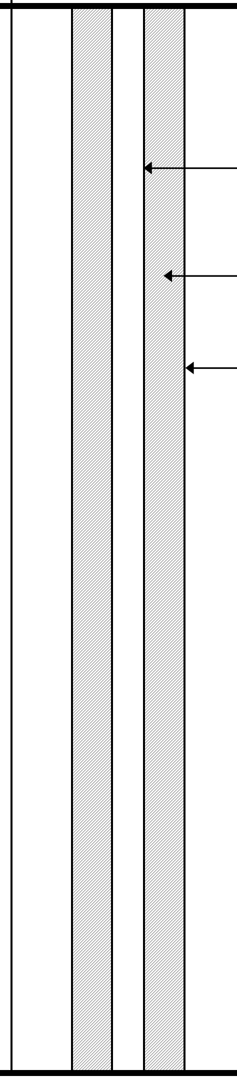
WATER LEVEL DATA

DATE	TIME	WATER	CASING	NOTES
5/15/14	14:30	7.5 ft	BGS	Tape

TYPE OF DRILL RIG	Acker AD 2
CASING SIZE AND DIAMETER	4 $^{1}/_{4}$-inch HSAs
OVERBURDEN SAMPLING METHOD	ASTM 1586
ROCK DRILLING METHOD	Not Applicable

DEPTH	SAMPLE BLOWS (/6")	NO.	DEPTH (FT)	N-VALUES /RQD	RECOVERY (%)	SAMPLE DESCRIPTION	OVM (ppm)
	6	S-4	19-21	12	70	Brown Silty CLAY, trace fine to coarse Sand, trace fine to medium Gravel, moist.	0.1
21	9						
22							
23							
24							
	17	S-5	24-26	18	60	Grades to:..grayish brown.	
25	8						0.1
	10						
26	12						
27							
28							
29							
	6	S-6	29-31	11	70		
30	5						0.1
	6						
31	8						
32							
33							
34							
	5	S-7	34-36	14	100		
35	8						0.1
	6						
36	8						
37							
38							
39							
	1	S-8	39-41	4	100		0.1
40	2						

WELL INSTALLATION DIAGRAM



WELL INSTALLATION DESCRIPTION

Schedule 40 PVC well riser to 57.8 ft bgs.

Cement and bentonite grout from 1.5 to 42 ft bgs.

Nominal 8" Borehole from 0 to 57.8 ft 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.
3) Background OVM readings ranged from 0 to 0.3 ppm.

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-3
Flie No. 21.0056687.10
Checked By: CZB

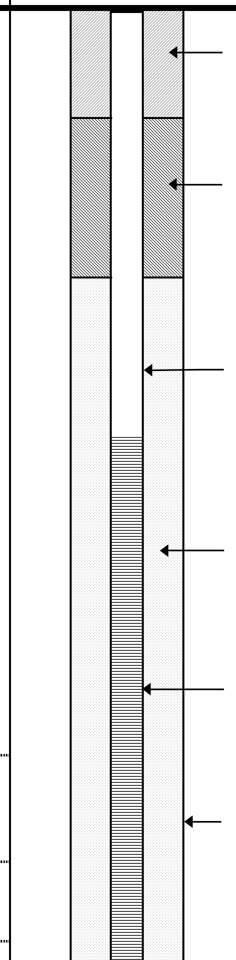
CONTRACTOR	Nature's Way, Inc	BORING LOCATION	See Location Plan
DRILLER	Steve Gingrich	GROUND SURFACE ELEVATION	DATUM
START DATE: 5/15/14	END DATE: 5/16/14	GZA GEOENVIRONMENTAL REPRESENTATIVE	JMB/TDS

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	NOTES
5/15/14	14:30	7.5 ft	BGS	Tape

TYPE OF DRILL RIG	Acker AD 2
CASING SIZE AND DIAMETER	4 $^{1}/_{4}$-inch HSAs
OVERBURDEN SAMPLING METHOD	ASTM 1586
ROCK DRILLING METHOD	Not Applicable

DEPTH	SAMPLE BLOWS (/6")	NO.	DEPTH (FT)	N-VALUES /RQD	RECOVERY (%)	SAMPLE DESCRIPTION	WELL INSTALLATION DESCRIPTION	OVM (ppm)
	2	S-8	39-41	4	100	Grayish Brown Silty CLAY, trace fine		0.1
41	3					to coarse Sand, trace fine to medium	Cement and bentonite	
						Gravel, moist.	grout from 1.5 to 42 ft	
42							bgs.	
43								
							Bentonite pellet seal	
44							from 42 to 45 ft bgs.	
	WOH	S-9	44-49	3	100			0.1
45	WOH							
	3							
46	3							
47							Schedule 40 PVC well	
							riser to 47.8 ft bgs.	
48								
49								
	WOH	S-10	49-51	5	100			0.1
50	2							
	3						#00 QRock sand pack	
51	3						from 45 to 57.8 ft bgs.	
52								
53							Schedule 40 #10 slot	
							PVC well riser from 47.8	
54							to 57.8 ft bgs.	
	7	S-11	54-56	42	50	Grayish Brown Clayey SILT, little		0.1
55	16					fine to coarse Sand, trace fine to		
	26					coarse Gravel, moist.	Nominal 8" Borehole	
56	63	S-12	56-57.3	36	25		from 0 to 57.8 ft bgs.	0.1
	8					Grayish Brown Silty CLAY, little fine		
57	14					to coarse Sand, trace fine to coarse		
	22					Gravel, moist.		
58	50/3					Gray fine to coarse SAND, wet.		
						Auger refusal/bottom of well at		
59						approximately 57.8 ft bgs.		
60								

WELL INSTALLATION DIAGRAM



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.
3) Background OVM readings ranged from 0 to 0.3 ppm.

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 C

GEOPHYSICAL SURVEY REPORT

90 B John Muir Drive
Amherst, New York 14228
(716) 565-0624 • Fax (716) 565-0625

May 18, 2014

Christopher Boron
Senior Project Manager
GZA GeoEnvironmental of New York
535 Washington Street
11th Floor
Buffalo, New York 14203

Transmitted via email to: Christopher Boron [christopher.boron@gza.com]

Dear Mr. Boron:

Subject: **Geophysical Survey Results**
25 Acre Property, Amherst, NY

1.0 INTRODUCTION

This letter report presents the results of the geophysical investigation performed for GZA in support of their environmental investigation of a 25 acre property located in Amherst, NY (the Site). The purpose of the geophysical survey was to explore for anomalies indicative of underground storage tanks (USTs). Three areas of the property were geophysically surveyed and are referred to in this report as:

- Former Collision Shop
- Frontage of "Fancy Florist"
- UST Area

The geophysical investigation was designed to geophysically characterize the subsurface and focus a follow-up intrusive investigation, if warranted. The information provided herein is intended to assist GZA with their assessment of potential environmental concerns at the Site. AMEC Environment and Infrastructure, Inc. (Amec) performed data acquisition on May 1 and 6, 2014 utilizing timed domain electromagnetic techniques (EM61).

2.0 METHODOLOGY

A distinct reference grid was installed at each of the 3 areas investigated to facilitate data acquisition along lines spaced three feet apart. The grid was marked with orange and white spray paint with select coordinates labeled to allow subsequent work if necessary.

The three areas were geophysically surveyed using the Geonics EM61. The EM61 unit is a high sensitivity, high resolution time domain electromagnetic (TDEM) metal detector that can detect both ferrous and nonferrous metallic objects. It has an approximate investigation depth of 10 feet. The processing console is contained in a backpack worn by the operator which is interfaced to a digital data logger. The transmitter and two receiver coils are located on a two-wheeled cart that is pulled by the operator.

The device's transmitter coil generates a pulsed primary EM field at a rate of 150 pulses per second, inducing eddy currents into the subsurface. The decay rates of these eddy currents are measured by two, 3.28 foot by 1.64 foot (1 meter by ½ meter) rectangular receiver coils. By taking the measurements at a relatively long time frame after termination of the primary pulse, the response is practically independent of the survey area's terrain conductivity. Specifically, the decay rates of the eddy currents are much longer for metals than for normal soils allowing the discrimination of the two.

EM61 in use (photo not from this site)

Data are collected from the EM61's two receiver coils. One of the receiver coils is located coincident to the transmitter coil. The other receiver coil is located 1.31 feet (0.4 meters) above the transmitter coil. Data from the top receiver coil are stored on Channel 1 of a digital data logger. Data from the bottom receiver coil are stored on Channel 2 of the data logger. Channel 1 and Channel 2 data are simultaneously recorded at each station location. The instrument responses are recorded in units of milliVolts (mV). Data were recorded digitally by a data logger at a rate of approximately 2 measurements per foot along the survey lines which were spaced 3 feet apart.

3.0 RESULTS

The EM61 data for the site are shown in Figures 1 through 3. The color bar to the right of the maps indicates the colors associated with the respective measured values. Areas suspected to be free of buried metals are shown as color shades of blue. All areas exhibiting a response greater than background (0 to 30 mVolts) likely contain buried metals. These areas are depicted in shades of dark blue through yellow on the figures.

Former Collision Shop

The geophysical data for the Former Collision Shop is shown on Figure 1. Large areas of high EM response (yellow) are interpreted to likely represent re-enforced concrete either at the surface (sidewalk) or beneath the asphalt pavement. It should be noted that the presence of re-enforced concrete preclude the opportunity to offer reliable insight regarding the presence or absence of USTs beneath the slabs. Three anomalies are identified as potentially representing USTs and are labeled Anomalies **A**, **B**, and **C** on Figure 1. Where observed, the approximate locations of previous boring investigations were noted and marked as “GP” on the figure.

Frontage of Fancy Florist

The geophysical data for the Frontage of Fancy Florist are shown in Figure 2. Anomaly **D** is identified as potentially representing a UST.

UST Area

The third area investigated is a known UST area as the fill port and vent is still apparent. These data are presented in Figure 3. The vent and fill port were immediately adjacent to the building and a gas meter surrounded by protective steel posts were located immediately to the south. Anomaly **E** is interpreted to represent the response from the known UST. This anomaly is confounded by the affects of the adjacent metal objects noted above.

Any of the additional above background responses not identified may be significant from an environmental perspective and these geophysical data should be viewed with recognition of the limitations of the technology employed.

.

4.0 LIMITATIONS

The geophysical methods used during this survey are established, indirect techniques for non-destructive subsurface reconnaissance exploration. As these instruments utilize indirect methods, they are subject to inherent limitations and ambiguities. Metallic surface features (electrical wires, scrap metal, etc.) preclude reliable non-invasive data/results beneath, and in the immediate vicinity of, the surface features. Targets such as buried drums, buried tanks, conduits, etc. are detectable only if they produce recognizable anomalies or patterns against the background geophysical data collected. As with any remote sensing technique, the anomalies identified during a geophysical survey should be further investigated by other techniques such as historical aerial photography, test pit excavation and/or test boring, if warranted.

Please do not hesitate to contact us if you have any questions or require additional information.

Sincerely yours,
AMEC Environment and Infrastructure, Inc.

John Luttinger
Senior Geophysicist

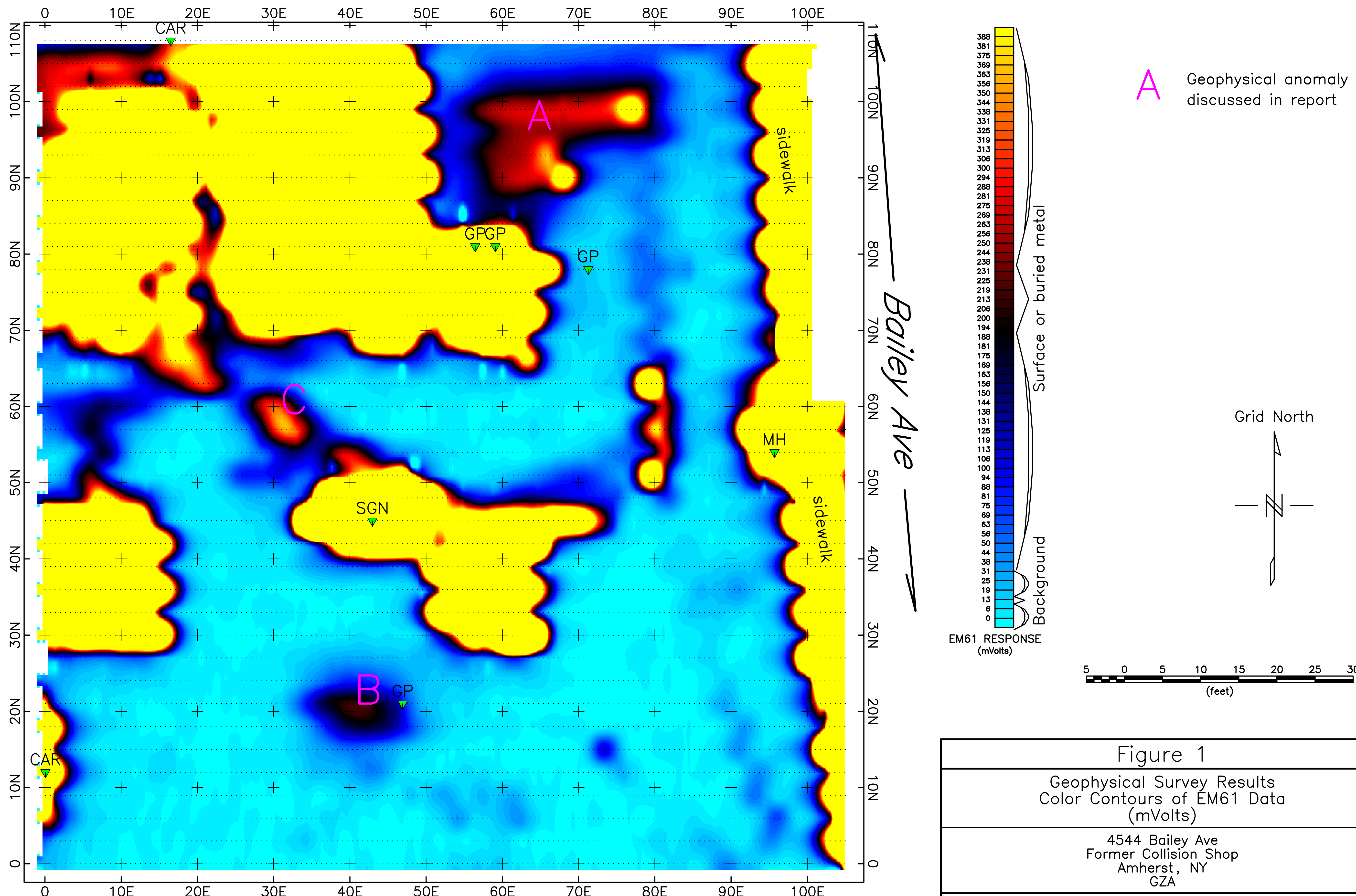
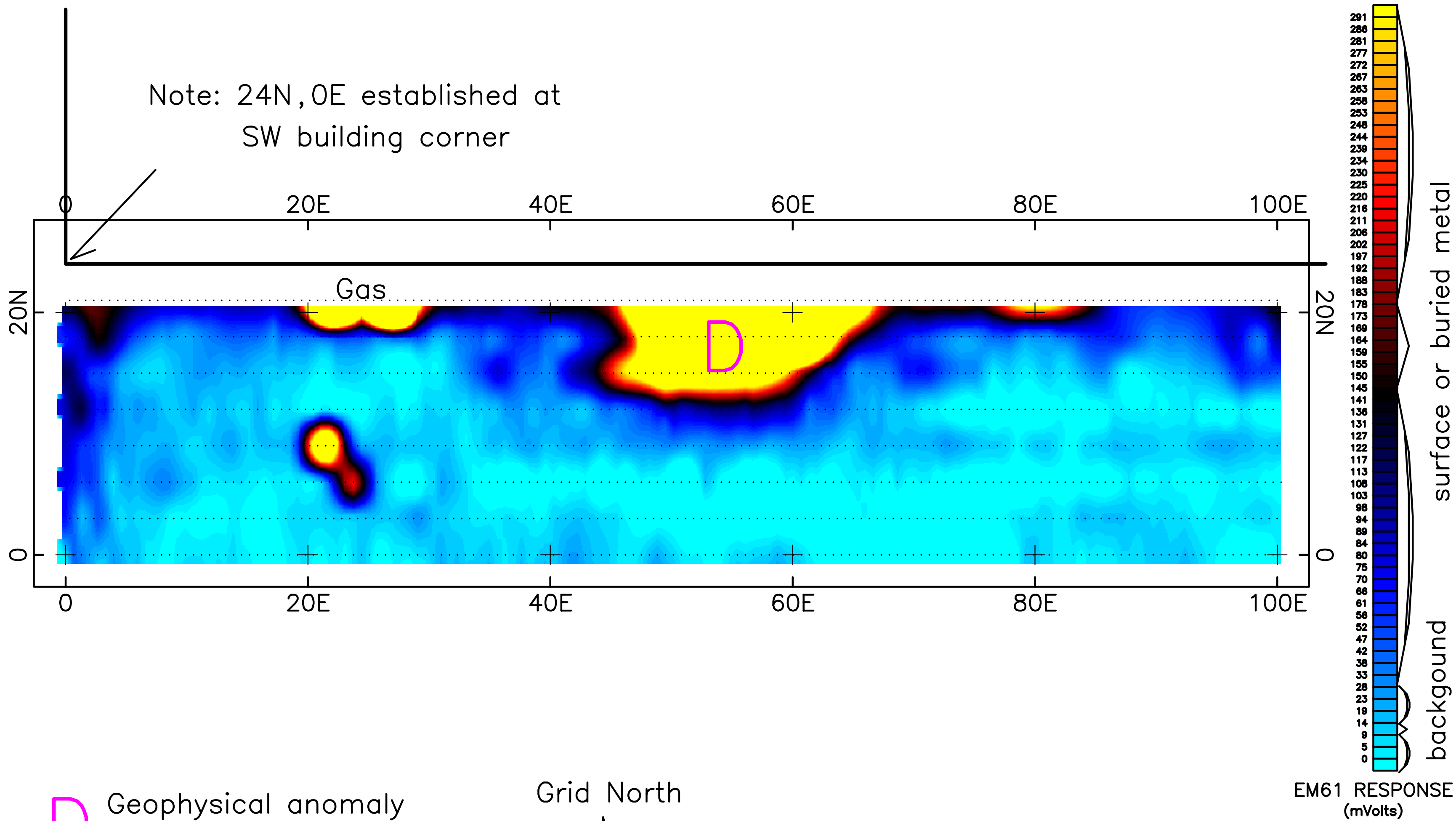


Figure 1

Geophysical Survey Results
Color Contours of EM61 Data
(mVolts)

4544 Bailey Ave
Former Collision Shop
Amherst, NY
GZA

Amec (716) 998-6973



D Geophysical anomaly discussed in report

Grid North

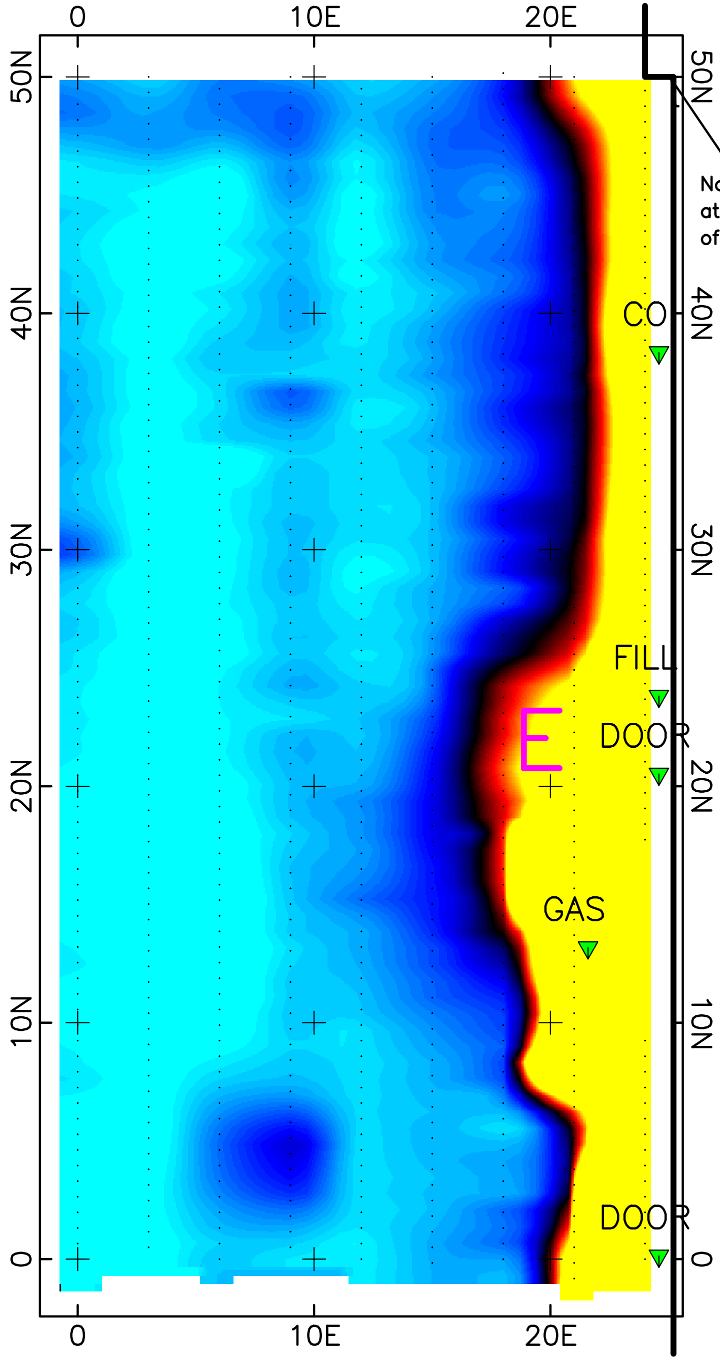
10 0 10
(feet)

Figure 2

Geophysical Survey Results
Color Contours of EM61 Data
(mVolts)

Area 2
Frontage of Fancy Florist
Amherst, NY
GZA

Amec (716) 998-6973



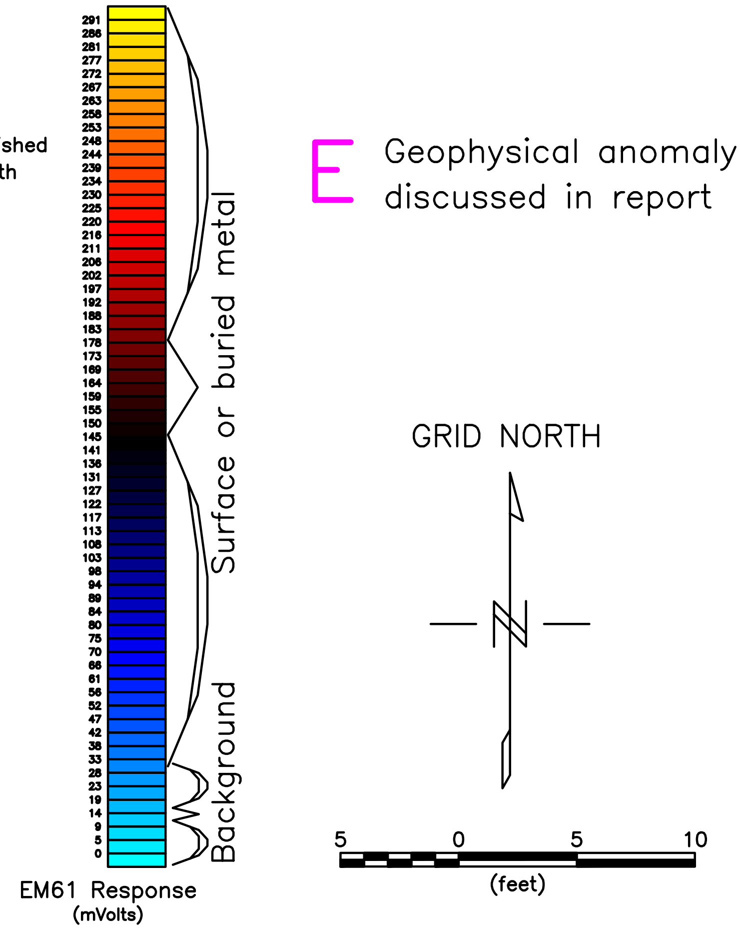


Figure 3

Geophysical Survey Results
Color Contours of EM61 Data
(mVolts)

4544 Bailey Ave
UST Area
Amherst, NY
GZA

Amec (716) 998-6973

APPENDIX D

ANALYTICAL TEST RESULTS

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

GZA Geo Environmental of New York

For Lab Project ID

140347

Referencing

21.0056687.10

Prepared

Monday, February 10, 2014

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier:	SP-3-0.5-2-013014		
Lab Sample ID:	140347-01	**Date Sampled:**	1/30/2014
Matrix:	Soil	**Date Received:**	2/3/2014

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.397	mg/Kg		2/4/2014
PCB-1221	< 0.397	mg/Kg		2/4/2014
PCB-1232	< 0.397	mg/Kg		2/4/2014
PCB-1242	< 0.397	mg/Kg		2/4/2014
PCB-1248	< 0.397	mg/Kg		2/4/2014
PCB-1254	< 0.397	mg/Kg		2/4/2014
PCB-1260	< 0.397	mg/Kg		2/4/2014
PCB-1262	< 0.397	mg/Kg		2/4/2014
PCB-1268	< 0.397	mg/Kg		2/4/2014

Method Reference(s): EPA 8082A
EPA 3550C

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 1570	ug/Kg		2/6/2014
Acenaphthylene	< 1570	ug/Kg		2/6/2014
Anthracene	< 1570	ug/Kg		2/6/2014
Benzo (a) anthracene	< 1570	ug/Kg		2/6/2014
Benzo (a) pyrene	< 1570	ug/Kg		2/6/2014
Benzo (b) fluoranthene	< 1570	ug/Kg		2/6/2014
Benzo (g,h,i) perylene	< 1570	ug/Kg		2/6/2014
Benzo (k) fluoranthene	< 1570	ug/Kg		2/6/2014
Chrysene	< 1570	ug/Kg		2/6/2014
Dibenz (a,h) anthracene	< 1570	ug/Kg		2/6/2014
Fluoranthene	< 1570	ug/Kg		2/6/2014
Fluorene	< 1570	ug/Kg		2/6/2014
Indeno (1,2,3-cd) pyrene	< 1570	ug/Kg		2/6/2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-3-0.5-2-013014
Lab Sample ID: 140347-01 **Date Sampled:** 1/30/2014
Matrix: Soil **Date Received:** 2/3/2014

Naphthalene	< 1570	ug/Kg		2/6/2014
Phenanthrene	< 1570	ug/Kg		2/6/2014
Pyrene	< 1570	ug/Kg		2/6/2014

Reporting limit elevated due to sample matrix

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S47674.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 6.43	ug/Kg		2/3/2014
1,1,2,2-Tetrachloroethane	< 6.43	ug/Kg		2/3/2014
1,1,2-Trichloroethane	< 6.43	ug/Kg		2/3/2014
1,1-Dichloroethane	< 6.43	ug/Kg		2/3/2014
1,1-Dichloroethene	< 6.43	ug/Kg		2/3/2014
1,2,3-Trichlorobenzene	< 16.1	ug/Kg		2/3/2014
1,2,4-Trichlorobenzene	< 16.1	ug/Kg		2/3/2014
1,2-Dibromo-3-Chloropropane	< 32.2	ug/Kg		2/3/2014
1,2-Dibromoethane	< 6.43	ug/Kg		2/3/2014
1,2-Dichlorobenzene	< 6.43	ug/Kg		2/3/2014
1,2-Dichloroethane	< 6.43	ug/Kg		2/3/2014
1,2-Dichloropropane	< 6.43	ug/Kg		2/3/2014
1,3-Dichlorobenzene	< 6.43	ug/Kg		2/3/2014
1,4-Dichlorobenzene	< 6.43	ug/Kg		2/3/2014
1,4-dioxane	< 64.3	ug/Kg		2/3/2014
2-Butanone	< 32.2	ug/Kg		2/3/2014
2-Hexanone	< 16.1	ug/Kg		2/3/2014
4-Methyl-2-pentanone	< 16.1	ug/Kg		2/3/2014
Acetone	< 32.2	ug/Kg		2/3/2014
Benzene	< 6.43	ug/Kg		2/3/2014
Bromochloromethane	< 16.1	ug/Kg		2/3/2014

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: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-3-0.5-2-013014

Lab Sample ID: 140347-01 **Date Sampled:** 1/30/2014

Matrix: Soil **Date Received:** 2/3/2014

Bromodichloromethane	< 6.43	ug/Kg	2/3/2014
Bromoform	< 16.1	ug/Kg	2/3/2014
Bromomethane	< 6.43	ug/Kg	2/3/2014
Carbon disulfide	< 6.43	ug/Kg	2/3/2014
Carbon Tetrachloride	< 6.43	ug/Kg	2/3/2014
Chlorobenzene	< 6.43	ug/Kg	2/3/2014
Chloroethane	< 6.43	ug/Kg	2/3/2014
Chloroform	< 6.43	ug/Kg	2/3/2014
Chloromethane	< 6.43	ug/Kg	2/3/2014
cis-1,2-Dichloroethene	< 6.43	ug/Kg	2/3/2014
cis-1,3-Dichloropropene	< 6.43	ug/Kg	2/3/2014
Cyclohexane	< 32.2	ug/Kg	2/3/2014
Dibromochloromethane	< 6.43	ug/Kg	2/3/2014
Dichlorodifluoromethane	< 6.43	ug/Kg	2/3/2014
Ethylbenzene	< 6.43	ug/Kg	2/3/2014
Freon 113	< 6.43	ug/Kg	2/3/2014
Isopropylbenzene	< 6.43	ug/Kg	2/3/2014
m,p-Xylene	**6.81**	ug/Kg	2/3/2014
Methyl acetate	< 6.43	ug/Kg	2/3/2014
Methyl tert-butyl Ether	< 6.43	ug/Kg	2/3/2014
Methylcyclohexane	**9.79**	ug/Kg	2/3/2014
Methylene chloride	< 16.1	ug/Kg	2/3/2014
o-Xylene	< 6.43	ug/Kg	2/3/2014
Styrene	< 16.1	ug/Kg	2/3/2014
Tetrachloroethene	**13.7**	ug/Kg	2/3/2014
Toluene	**6.98**	ug/Kg	2/3/2014
trans-1,2-Dichloroethene	< 6.43	ug/Kg	2/3/2014
trans-1,3-Dichloropropene	< 6.43	ug/Kg	2/3/2014
Trichloroethene	< 6.43	ug/Kg	2/3/2014
Trichlorofluoromethane	< 6.43	ug/Kg	2/3/2014

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier:	SP-3-0.5-2-013014		
Lab Sample ID:	140347-01	**Date Sampled:**	1/30/2014
Matrix:	Soil	**Date Received:**	2/3/2014

Vinyl chloride	< 6.43	ug/Kg	2/3/2014

Surrogate and internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x11070.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-5-8-10-013014

Lab Sample ID: 140347-02 **Date Sampled:** 1/30/2014

Matrix: Soil **Date Received:** 2/3/2014

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.401	mg/Kg		2/4/2014
PCB-1221	< 0.401	mg/Kg		2/4/2014
PCB-1232	< 0.401	mg/Kg		2/4/2014
PCB-1242	< 0.401	mg/Kg		2/4/2014
PCB-1248	< 0.401	mg/Kg		2/4/2014
PCB-1254	< 0.401	mg/Kg		2/4/2014
PCB-1260	< 0.401	mg/Kg		2/4/2014
PCB-1262	< 0.401	mg/Kg		2/4/2014
PCB-1268	< 0.401	mg/Kg		2/4/2014

Method Reference(s): EPA 8082A
EPA 3550C

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 309	ug/Kg		2/4/2014
Acenaphthylene	< 309	ug/Kg		2/4/2014
Anthracene	< 309	ug/Kg		2/4/2014
Benzo (a) anthracene	< 309	ug/Kg		2/4/2014
Benzo (a) pyrene	< 309	ug/Kg		2/4/2014
Benzo (b) fluoranthene	< 309	ug/Kg		2/4/2014
Benzo (g,h,i) perylene	< 309	ug/Kg		2/4/2014
Benzo (k) fluoranthene	< 309	ug/Kg		2/4/2014
Chrysene	< 309	ug/Kg		2/4/2014
Dibenz (a,h) anthracene	< 309	ug/Kg		2/4/2014
Fluoranthene	< 309	ug/Kg		2/4/2014
Fluorene	< 309	ug/Kg		2/4/2014
Indeno (1,2,3-cd) pyrene	< 309	ug/Kg		2/4/2014

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-5-8-10-013014

Lab Sample ID: 140347-02 | **Date Sampled:** 1/30/2014

Matrix: Soil | **Date Received:** 2/3/2014

Naphthalene	< 309	ug/Kg		2/4/2014
Phenanthrene	< 309	ug/Kg		2/4/2014
Pyrene	< 309	ug/Kg		2/4/2014

Method Reference(s): EPA 8270D
EPA 3550C

Data File: S47632.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 9.39	ug/Kg		2/3/2014
1,1,2,2-Tetrachloroethane	< 9.39	ug/Kg		2/3/2014
1,1,2-Trichloroethane	< 9.39	ug/Kg		2/3/2014
1,1-Dichloroethane	< 9.39	ug/Kg		2/3/2014
1,1-Dichloroethene	< 9.39	ug/Kg		2/3/2014
1,2,3-Trichlorobenzene	< 23.5	ug/Kg		2/3/2014
1,2,4-Trichlorobenzene	< 23.5	ug/Kg		2/3/2014
1,2-Dibromo-3-Chloropropane	< 46.9	ug/Kg		2/3/2014
1,2-Dibromoethane	< 9.39	ug/Kg		2/3/2014
1,2-Dichlorobenzene	< 9.39	ug/Kg		2/3/2014
1,2-Dichloroethane	< 9.39	ug/Kg		2/3/2014
1,2-Dichloropropane	< 9.39	ug/Kg		2/3/2014
1,3-Dichlorobenzene	< 9.39	ug/Kg		2/3/2014
1,4-Dichlorobenzene	< 9.39	ug/Kg		2/3/2014
1,4-dioxane	< 93.9	ug/Kg		2/3/2014
2-Butanone	< 46.9	ug/Kg		2/3/2014
2-Hexanone	< 23.5	ug/Kg		2/3/2014
4-Methyl-2-pentanone	< 23.5	ug/Kg		2/3/2014
Acetone	< 46.9	ug/Kg		2/3/2014
Benzene	< 9.39	ug/Kg		2/3/2014
Bromochloromethane	< 23.5	ug/Kg		2/3/2014
Bromodichloromethane	< 9.39	ug/Kg		2/3/2014

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-5-8-10-013014

Lab Sample ID: 140347-02 **Date Sampled:** 1/30/2014

Matrix: Soil **Date Received:** 2/3/2014

Bromoform	< 23.5	ug/Kg	2/3/2014
Bromomethane	< 9.39	ug/Kg	2/3/2014
Carbon disulfide	< 9.39	ug/Kg	2/3/2014
Carbon Tetrachloride	< 9.39	ug/Kg	2/3/2014
Chlorobenzene	< 9.39	ug/Kg	2/3/2014
Chloroethane	< 9.39	ug/Kg	2/3/2014
Chloroform	< 9.39	ug/Kg	2/3/2014
Chloromethane	< 9.39	ug/Kg	2/3/2014
cis-1,2-Dichloroethene	< 9.39	ug/Kg	2/3/2014
cis-1,3-Dichloropropene	< 9.39	ug/Kg	2/3/2014
Cyclohexane	< 46.9	ug/Kg	2/3/2014
Dibromochloromethane	< 9.39	ug/Kg	2/3/2014
Dichlorodifluoromethane	< 9.39	ug/Kg	2/3/2014
Ethylbenzene	< 9.39	ug/Kg	2/3/2014
Freon 113	< 9.39	ug/Kg	2/3/2014
Isopropylbenzene	< 9.39	ug/Kg	2/3/2014
m,p-Xylene	< 9.39	ug/Kg	2/3/2014
Methyl acetate	< 9.39	ug/Kg	2/3/2014
Methyl tert-butyl Ether	< 9.39	ug/Kg	2/3/2014
Methylcyclohexane	< 9.39	ug/Kg	2/3/2014
Methylene chloride	< 23.5	ug/Kg	2/3/2014
o-Xylene	< 9.39	ug/Kg	2/3/2014
Styrene	< 23.5	ug/Kg	2/3/2014
Tetrachloroethene	< 9.39	ug/Kg	2/3/2014
Toluene	< 9.39	ug/Kg	2/3/2014
trans-1,2-Dichloroethene	< 9.39	ug/Kg	2/3/2014
trans-1,3-Dichloropropene	< 9.39	ug/Kg	2/3/2014
Trichloroethene	< 9.39	ug/Kg	2/3/2014
Trichlorofluoromethane	< 9.39	ug/Kg	2/3/2014
Vinyl chloride	< 9.39	ug/Kg	2/3/2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client:	**GZA Geo Environmental of New York**
Project Reference:	21.0056687.10

Sample Identifier:	SP-5-8-10-013014		
Lab Sample ID:	140347-02	**Date Sampled:**	1/30/2014
Matrix:	Soil	**Date Received:**	2/3/2014

Method Reference(s):	EPA 8260C EPA 5035A
Data File:	x11071.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 Monday, February 10, 2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier:	SP-8-6-8-013114		
Lab Sample ID:	140347-03	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.517	mg/Kg		2/4/2014
PCB-1221	< 0.517	mg/Kg		2/4/2014
PCB-1232	< 0.517	mg/Kg		2/4/2014
PCB-1242	< 0.517	mg/Kg		2/4/2014
PCB-1248	< 0.517	mg/Kg		2/4/2014
PCB-1254	< 0.517	mg/Kg		2/4/2014
PCB-1260	< 0.517	mg/Kg		2/4/2014
PCB-1262	< 0.517	mg/Kg		2/4/2014
PCB-1268	< 0.517	mg/Kg		2/4/2014

Method Reference(s): EPA 8082A
EPA 3550C

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 385	ug/Kg		2/4/2014
Acenaphthylene	< 385	ug/Kg		2/4/2014
Anthracene	< 385	ug/Kg		2/4/2014
Benzo (a) anthracene	< 385	ug/Kg		2/4/2014
Benzo (a) pyrene	< 385	ug/Kg		2/4/2014
Benzo (b) fluoranthene	< 385	ug/Kg		2/4/2014
Benzo (g,h,i) perylene	< 385	ug/Kg		2/4/2014
Benzo (k) fluoranthene	< 385	ug/Kg		2/4/2014
Chrysene	< 385	ug/Kg		2/4/2014
Dibenz (a,h) anthracene	< 385	ug/Kg		2/4/2014
Fluoranthene	< 385	ug/Kg		2/4/2014
Fluorene	< 385	ug/Kg		2/4/2014
Indeno (1,2,3-cd) pyrene	< 385	ug/Kg		2/4/2014

PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-8-6-8-013114

Lab Sample ID: 140347-03 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

Naphthalene	< 385	ug/Kg		2/4/2014
Phenanthrene	< 385	ug/Kg		2/4/2014
Pyrene	< 385	ug/Kg		2/4/2014

Method Reference(s): EPA 8270D
EPA 3550C

Data File: S47633.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 8.29	ug/Kg		2/3/2014
1,1,2,2-Tetrachloroethane	< 8.29	ug/Kg		2/3/2014
1,1,2-Trichloroethane	< 8.29	ug/Kg		2/3/2014
1,1-Dichloroethane	< 8.29	ug/Kg		2/3/2014
1,1-Dichloroethene	< 8.29	ug/Kg		2/3/2014
1,2,3-Trichlorobenzene	< 20.7	ug/Kg		2/3/2014
1,2,4-Trichlorobenzene	< 20.7	ug/Kg		2/3/2014
1,2-Dibromo-3-Chloropropane	< 41.5	ug/Kg		2/3/2014
1,2-Dibromoethane	< 8.29	ug/Kg		2/3/2014
1,2-Dichlorobenzene	< 8.29	ug/Kg		2/3/2014
1,2-Dichloroethane	< 8.29	ug/Kg		2/3/2014
1,2-Dichloropropane	< 8.29	ug/Kg		2/3/2014
1,3-Dichlorobenzene	< 8.29	ug/Kg		2/3/2014
1,4-Dichlorobenzene	< 8.29	ug/Kg		2/3/2014
1,4-dioxane	< 82.9	ug/Kg		2/3/2014
2-Butanone	**55.2**	ug/Kg		2/3/2014
2-Hexanone	< 20.7	ug/Kg		2/3/2014
4-Methyl-2-pentanone	< 20.7	ug/Kg		2/3/2014
Acetone	**147**	ug/Kg		2/3/2014
Benzene	< 8.29	ug/Kg		2/3/2014
Bromochloromethane	< 20.7	ug/Kg		2/3/2014
Bromodichloromethane	< 8.29	ug/Kg		2/3/2014

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier: SP-8-6-8-013114

Lab Sample ID: 140347-03 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

Bromoform	< 20.7	ug/Kg	2/3/2014
Bromomethane	< 8.29	ug/Kg	2/3/2014
Carbon disulfide	< 8.29	ug/Kg	2/3/2014
Carbon Tetrachloride	< 8.29	ug/Kg	2/3/2014
Chlorobenzene	< 8.29	ug/Kg	2/3/2014
Chloroethane	< 8.29	ug/Kg	2/3/2014
Chloroform	< 8.29	ug/Kg	2/3/2014
Chloromethane	< 8.29	ug/Kg	2/3/2014
cis-1,2-Dichloroethene	< 8.29	ug/Kg	2/3/2014
cis-1,3-Dichloropropene	< 8.29	ug/Kg	2/3/2014
Cyclohexane	< 41.5	ug/Kg	2/3/2014
Dibromochloromethane	< 8.29	ug/Kg	2/3/2014
Dichlorodifluoromethane	< 8.29	ug/Kg	2/3/2014
Ethylbenzene	< 8.29	ug/Kg	2/3/2014
Freon 113	< 8.29	ug/Kg	2/3/2014
Isopropylbenzene	< 8.29	ug/Kg	2/3/2014
m,p-Xylene	< 8.29	ug/Kg	2/3/2014
Methyl acetate	< 8.29	ug/Kg	2/3/2014
Methyl tert-butyl Ether	< 8.29	ug/Kg	2/3/2014
Methylcyclohexane	< 8.29	ug/Kg	2/3/2014
Methylene chloride	< 20.7	ug/Kg	2/3/2014
o-Xylene	< 8.29	ug/Kg	2/3/2014
Styrene	< 20.7	ug/Kg	2/3/2014
Tetrachloroethene	< 8.29	ug/Kg	2/3/2014
Toluene	< 8.29	ug/Kg	2/3/2014
trans-1,2-Dichloroethene	< 8.29	ug/Kg	2/3/2014
trans-1,3-Dichloropropene	< 8.29	ug/Kg	2/3/2014
Trichloroethene	< 8.29	ug/Kg	2/3/2014
Trichlorofluoromethane	< 8.29	ug/Kg	2/3/2014
Vinyl chloride	< 8.29	ug/Kg	2/3/2014

Lab Project ID: 140347

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-8-6-8-013114		
Lab Sample ID:	140347-03	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

Method Reference(s): EPA 8260C
EPA 5035A
Data File: x11072.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier:	SP-8-0.5-2-013114		
Lab Sample ID:	140347-04	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.369	mg/Kg		2/4/2014
PCB-1221	< 0.369	mg/Kg		2/4/2014
PCB-1232	< 0.369	mg/Kg		2/4/2014
PCB-1242	< 0.369	mg/Kg		2/4/2014
PCB-1248	< 0.369	mg/Kg		2/4/2014
PCB-1254	< 0.369	mg/Kg		2/4/2014
PCB-1260	< 0.369	mg/Kg		2/4/2014
PCB-1262	< 0.369	mg/Kg		2/4/2014
PCB-1268	< 0.369	mg/Kg		2/4/2014

Method Reference(s): EPA 8082A
EPA 3550C

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 1600	ug/Kg		2/4/2014
Acenaphthylene	< 1600	ug/Kg		2/4/2014
Anthracene	< 1600	ug/Kg		2/4/2014
Benzo (a) anthracene	< 1600	ug/Kg		2/4/2014
Benzo (a) pyrene	< 1600	ug/Kg		2/4/2014
Benzo (b) fluoranthene	< 1600	ug/Kg		2/4/2014
Benzo (g,h,i) perylene	< 1600	ug/Kg		2/4/2014
Benzo (k) fluoranthene	< 1600	ug/Kg		2/4/2014
Chrysene	< 1600	ug/Kg		2/4/2014
Dibenz (a,h) anthracene	< 1600	ug/Kg		2/4/2014
Fluoranthene	< 1600	ug/Kg		2/4/2014
Fluorene	< 1600	ug/Kg		2/4/2014
Indeno (1,2,3-cd) pyrene	< 1600	ug/Kg		2/4/2014

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-8-0.5-2-013114

Lab Sample ID: 140347-04 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

Naphthalene	< 1600	ug/Kg		2/4/2014
Phenanthrene	< 1600	ug/Kg		2/4/2014
Pyrene	< 1600	ug/Kg		2/4/2014

Reporting limit elevated due to sample matrix

Method Reference(s): EPA 8270D
EPA 3550C

Data File: S47634.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 8.70	ug/Kg		2/3/2014
1,1,2,2-Tetrachloroethane	< 8.70	ug/Kg		2/3/2014
1,1,2-Trichloroethane	< 8.70	ug/Kg		2/3/2014
1,1-Dichloroethane	< 8.70	ug/Kg		2/3/2014
1,1-Dichloroethene	< 8.70	ug/Kg		2/3/2014
1,2,3-Trichlorobenzene	< 21.8	ug/Kg		2/3/2014
1,2,4-Trichlorobenzene	< 21.8	ug/Kg		2/3/2014
1,2-Dibromo-3-Chloropropane	< 43.5	ug/Kg		2/3/2014
1,2-Dibromoethane	< 8.70	ug/Kg		2/3/2014
1,2-Dichlorobenzene	< 8.70	ug/Kg		2/3/2014
1,2-Dichloroethane	< 8.70	ug/Kg		2/3/2014
1,2-Dichloropropane	< 8.70	ug/Kg		2/3/2014
1,3-Dichlorobenzene	< 8.70	ug/Kg		2/3/2014
1,4-Dichlorobenzene	< 8.70	ug/Kg		2/3/2014
1,4-dioxane	< 87.0	ug/Kg		2/3/2014
2-Butanone	< 43.5	ug/Kg		2/3/2014
2-Hexanone	< 21.8	ug/Kg		2/3/2014
4-Methyl-2-pentanone	< 21.8	ug/Kg		2/3/2014
Acetone	< 43.5	ug/Kg		2/3/2014
Benzene	< 8.70	ug/Kg		2/3/2014
Bromochloromethane	< 21.8	ug/Kg		2/3/2014

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-8-0.5-2-013114
Lab Sample ID: 140347-04 **Date Sampled:** 1/31/2014
Matrix: Soil **Date Received:** 2/3/2014

Bromodichloromethane	< 8.70	ug/Kg	2/3/2014
Bromoform	< 21.8	ug/Kg	2/3/2014
Bromomethane	< 8.70	ug/Kg	2/3/2014
Carbon disulfide	< 8.70	ug/Kg	2/3/2014
Carbon Tetrachloride	< 8.70	ug/Kg	2/3/2014
Chlorobenzene	< 8.70	ug/Kg	2/3/2014
Chloroethane	< 8.70	ug/Kg	2/3/2014
Chloroform	< 8.70	ug/Kg	2/3/2014
Chloromethane	< 8.70	ug/Kg	2/3/2014
cis-1,2-Dichloroethene	< 8.70	ug/Kg	2/3/2014
cis-1,3-Dichloropropene	< 8.70	ug/Kg	2/3/2014
Cyclohexane	< 43.5	ug/Kg	2/3/2014
Dibromochloromethane	< 8.70	ug/Kg	2/3/2014
Dichlorodifluoromethane	< 8.70	ug/Kg	2/3/2014
Ethylbenzene	< 8.70	ug/Kg	2/3/2014
Freon 113	< 8.70	ug/Kg	2/3/2014
Isopropylbenzene	< 8.70	ug/Kg	2/3/2014
m,p-Xylene	< 8.70	ug/Kg	2/3/2014
Methyl acetate	< 8.70	ug/Kg	2/3/2014
Methyl tert-butyl Ether	< 8.70	ug/Kg	2/3/2014
Methylcyclohexane	< 8.70	ug/Kg	2/3/2014
Methylene chloride	< 21.8	ug/Kg	2/3/2014
o-Xylene	< 8.70	ug/Kg	2/3/2014
Styrene	< 21.8	ug/Kg	2/3/2014
Tetrachloroethene	< 8.70	ug/Kg	2/3/2014
Toluene	< 8.70	ug/Kg	2/3/2014
trans-1,2-Dichloroethene	< 8.70	ug/Kg	2/3/2014
trans-1,3-Dichloropropene	< 8.70	ug/Kg	2/3/2014
Trichloroethene	< 8.70	ug/Kg	2/3/2014
Trichlorofluoromethane	< 8.70	ug/Kg	2/3/2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-8-0.5-2-013114		
Lab Sample ID:	140347-04	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

Vinyl chloride	< 8.70	ug/Kg	2/3/2014

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x11073.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier: SP-10-4-6-013114

Lab Sample ID: 140347-05 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.491	mg/Kg		2/4/2014
PCB-1221	< 0.491	mg/Kg		2/4/2014
PCB-1232	< 0.491	mg/Kg		2/4/2014
PCB-1242	< 0.491	mg/Kg		2/4/2014
PCB-1248	< 0.491	mg/Kg		2/4/2014
PCB-1254	< 0.491	mg/Kg		2/4/2014
PCB-1260	< 0.491	mg/Kg		2/4/2014
PCB-1262	< 0.491	mg/Kg		2/4/2014
PCB-1268	< 0.491	mg/Kg		2/4/2014

Method Reference(s): EPA 8082A
EPA 3550C

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 365	ug/Kg		2/4/2014
Acenaphthylene	< 365	ug/Kg		2/4/2014
Anthracene	< 365	ug/Kg		2/4/2014
Benzo (a) anthracene	< 365	ug/Kg		2/4/2014
Benzo (a) pyrene	< 365	ug/Kg		2/4/2014
Benzo (b) fluoranthene	< 365	ug/Kg		2/4/2014
Benzo (g,h,i) perylene	< 365	ug/Kg		2/4/2014
Benzo (k) fluoranthene	< 365	ug/Kg		2/4/2014
Chrysene	< 365	ug/Kg		2/4/2014
Dibenz (a,h) anthracene	< 365	ug/Kg		2/4/2014
Fluoranthene	< 365	ug/Kg		2/4/2014
Fluorene	< 365	ug/Kg		2/4/2014
Indeno (1,2,3-cd) pyrene	< 365	ug/Kg		2/4/2014

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-10-4-6-013114

Lab Sample ID: 140347-05 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

Naphthalene	< 365	ug/Kg		2/4/2014
Phenanthrene	< 365	ug/Kg		2/4/2014
Pyrene	< 365	ug/Kg		2/4/2014

Method Reference(s): EPA 8270D
EPA 3550C

Data File: S47635.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 10.3	ug/Kg	M	2/3/2014
1,1,2,2-Tetrachloroethane	< 10.3	ug/Kg	M	2/3/2014
1,1,2-Trichloroethane	< 10.3	ug/Kg	M	2/3/2014
1,1-Dichloroethane	< 10.3	ug/Kg		2/3/2014
1,1-Dichloroethene	< 10.3	ug/Kg		2/3/2014
1,2,3-Trichlorobenzene	< 25.7	ug/Kg		2/3/2014
1,2,4-Trichlorobenzene	< 25.7	ug/Kg		2/3/2014
1,2-Dibromo-3-Chloropropane	< 51.5	ug/Kg		2/3/2014
1,2-Dibromoethane	< 10.3	ug/Kg		2/3/2014
1,2-Dichlorobenzene	< 10.3	ug/Kg	M	2/3/2014
1,2-Dichloroethane	< 10.3	ug/Kg	M	2/3/2014
1,2-Dichloropropane	< 10.3	ug/Kg		2/3/2014
1,3-Dichlorobenzene	< 10.3	ug/Kg	M	2/3/2014
1,4-Dichlorobenzene	< 10.3	ug/Kg	M	2/3/2014
1,4-dioxane	< 103	ug/Kg		2/3/2014
2-Butanone	< 51.5	ug/Kg		2/3/2014
2-Hexanone	< 25.7	ug/Kg		2/3/2014
4-Methyl-2-pentanone	< 25.7	ug/Kg		2/3/2014
Acetone	< 51.5	ug/Kg		2/3/2014
Benzene	< 10.3	ug/Kg		2/3/2014
Bromochloromethane	< 25.7	ug/Kg		2/3/2014
Bromodichloromethane	< 10.3	ug/Kg	M	2/3/2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-10-4-6-013114

Lab Sample ID: 140347-05 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

Bromoform	< 25.7	ug/Kg	M	2/3/2014
Bromomethane	< 10.3	ug/Kg		2/3/2014
Carbon disulfide	< 10.3	ug/Kg		2/3/2014
Carbon Tetrachloride	< 10.3	ug/Kg		2/3/2014
Chlorobenzene	< 10.3	ug/Kg	M	2/3/2014
Chloroethane	< 10.3	ug/Kg		2/3/2014
Chloroform	< 10.3	ug/Kg	M	2/3/2014
Chloromethane	< 10.3	ug/Kg		2/3/2014
cis-1,2-Dichloroethene	< 10.3	ug/Kg		2/3/2014
cis-1,3-Dichloropropene	< 10.3	ug/Kg		2/3/2014
Cyclohexane	< 51.5	ug/Kg		2/3/2014
Dibromochloromethane	< 10.3	ug/Kg	M	2/3/2014
Dichlorodifluoromethane	< 10.3	ug/Kg		2/3/2014
Ethylbenzene	< 10.3	ug/Kg		2/3/2014
Freon 113	< 10.3	ug/Kg		2/3/2014
Isopropylbenzene	< 10.3	ug/Kg		2/3/2014
m,p-Xylene	< 10.3	ug/Kg		2/3/2014
Methyl acetate	< 10.3	ug/Kg		2/3/2014
Methyl tert-butyl Ether	< 10.3	ug/Kg		2/3/2014
Methylcyclohexane	< 10.3	ug/Kg		2/3/2014
Methylene chloride	< 25.7	ug/Kg		2/3/2014
o-Xylene	< 10.3	ug/Kg		2/3/2014
Styrene	< 25.7	ug/Kg		2/3/2014
Tetrachloroethene	< 10.3	ug/Kg		2/3/2014
Toluene	< 10.3	ug/Kg		2/3/2014
trans-1,2-Dichloroethene	< 10.3	ug/Kg		2/3/2014
trans-1,3-Dichloropropene	< 10.3	ug/Kg	M	2/3/2014
Trichloroethene	< 10.3	ug/Kg		2/3/2014
Trichlorofluoromethane	< 10.3	ug/Kg		2/3/2014
Vinyl chloride	< 10.3	ug/Kg		2/3/2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-10-4-6-013114		
Lab Sample ID:	140347-05	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

Method Reference(s):	EPA 8260C
	EPA 5035A
Data File:	x11074.D

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Report Prepared Monday, February 10, 2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier:	SP-11-7-013114		
Lab Sample ID:	140347-06	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.407	mg/Kg		2/4/2014
PCB-1221	< 0.407	mg/Kg		2/4/2014
PCB-1232	< 0.407	mg/Kg		2/4/2014
PCB-1242	< 0.407	mg/Kg		2/4/2014
PCB-1248	< 0.407	mg/Kg		2/4/2014
PCB-1254	< 0.407	mg/Kg		2/4/2014
PCB-1260	< 0.407	mg/Kg		2/4/2014
PCB-1262	< 0.407	mg/Kg		2/4/2014
PCB-1268	< 0.407	mg/Kg		2/4/2014

Method Reference(s): EPA 8082A
EPA 3550C

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 310	ug/Kg		2/4/2014
Acenaphthylene	< 310	ug/Kg		2/4/2014
Anthracene	< 310	ug/Kg		2/4/2014
Benzo (a) anthracene	< 310	ug/Kg		2/4/2014
Benzo (a) pyrene	< 310	ug/Kg		2/4/2014
Benzo (b) fluoranthene	< 310	ug/Kg		2/4/2014
Benzo (g,h,i) perylene	< 310	ug/Kg		2/4/2014
Benzo (k) fluoranthene	< 310	ug/Kg		2/4/2014
Chrysene	< 310	ug/Kg		2/4/2014
Dibenz (a,h) anthracene	< 310	ug/Kg		2/4/2014
Fluoranthene	< 310	ug/Kg		2/4/2014
Fluorene	< 310	ug/Kg		2/4/2014
Indeno (1,2,3-cd) pyrene	< 310	ug/Kg		2/4/2014

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-11-7-013114

Lab Sample ID: 140347-06 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

Naphthalene	< 310	ug/Kg		2/4/2014
Phenanthrene	< 310	ug/Kg		2/4/2014
Pyrene	< 310	ug/Kg		2/4/2014

Method Reference(s): EPA 8270D
EPA 3550C

Data File: S47636.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 8.24	ug/Kg		2/3/2014
1,1,2,2-Tetrachloroethane	< 8.24	ug/Kg		2/3/2014
1,1,2-Trichloroethane	< 8.24	ug/Kg		2/3/2014
1,1-Dichloroethane	< 8.24	ug/Kg		2/3/2014
1,1-Dichloroethene	< 8.24	ug/Kg		2/3/2014
1,2,3-Trichlorobenzene	< 20.6	ug/Kg		2/3/2014
1,2,4-Trichlorobenzene	< 20.6	ug/Kg		2/3/2014
1,2-Dibromo-3-Chloropropane	< 41.2	ug/Kg		2/3/2014
1,2-Dibromoethane	< 8.24	ug/Kg		2/3/2014
1,2-Dichlorobenzene	< 8.24	ug/Kg		2/3/2014
1,2-Dichloroethane	< 8.24	ug/Kg		2/3/2014
1,2-Dichloropropane	< 8.24	ug/Kg		2/3/2014
1,3-Dichlorobenzene	< 8.24	ug/Kg		2/3/2014
1,4-Dichlorobenzene	< 8.24	ug/Kg		2/3/2014
1,4-dioxane	< 82.4	ug/Kg		2/3/2014
2-Butanone	< 41.2	ug/Kg		2/3/2014
2-Hexanone	< 20.6	ug/Kg		2/3/2014
4-Methyl-2-pentanone	< 20.6	ug/Kg		2/3/2014
Acetone	< 41.2	ug/Kg		2/3/2014
Benzene	< 8.24	ug/Kg		2/3/2014
Bromochloromethane	< 20.6	ug/Kg		2/3/2014
Bromodichloromethane	< 8.24	ug/Kg		2/3/2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-11-7-013114

Lab Sample ID: 140347-06 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

Bromoform	< 20.6	ug/Kg	2/3/2014
Bromomethane	< 8.24	ug/Kg	2/3/2014
Carbon disulfide	< 8.24	ug/Kg	2/3/2014
Carbon Tetrachloride	< 8.24	ug/Kg	2/3/2014
Chlorobenzene	< 8.24	ug/Kg	2/3/2014
Chloroethane	< 8.24	ug/Kg	2/3/2014
Chloroform	< 8.24	ug/Kg	2/3/2014
Chloromethane	< 8.24	ug/Kg	2/3/2014
cis-1,2-Dichloroethene	< 8.24	ug/Kg	2/3/2014
cis-1,3-Dichloropropene	< 8.24	ug/Kg	2/3/2014
Cyclohexane	< 41.2	ug/Kg	2/3/2014
Dibromochloromethane	< 8.24	ug/Kg	2/3/2014
Dichlorodifluoromethane	< 8.24	ug/Kg	2/3/2014
Ethylbenzene	< 8.24	ug/Kg	2/3/2014
Freon 113	< 8.24	ug/Kg	2/3/2014
Isopropylbenzene	< 8.24	ug/Kg	2/3/2014
m,p-Xylene	< 8.24	ug/Kg	2/3/2014
Methyl acetate	< 8.24	ug/Kg	2/3/2014
Methyl tert-butyl Ether	< 8.24	ug/Kg	2/3/2014
Methylcyclohexane	< 8.24	ug/Kg	2/3/2014
Methylene chloride	< 20.6	ug/Kg	2/3/2014
o-Xylene	< 8.24	ug/Kg	2/3/2014
Styrene	< 20.6	ug/Kg	2/3/2014
Tetrachloroethene	< 8.24	ug/Kg	2/3/2014
Toluene	< 8.24	ug/Kg	2/3/2014
trans-1,2-Dichloroethene	< 8.24	ug/Kg	2/3/2014
trans-1,3-Dichloropropene	< 8.24	ug/Kg	2/3/2014
Trichloroethene	< 8.24	ug/Kg	2/3/2014
Trichlorofluoromethane	< 8.24	ug/Kg	2/3/2014
Vinyl chloride	< 8.24	ug/Kg	2/3/2014

Lab Project ID: 140347

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-11-7-013114		
Lab Sample ID:	140347-06	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

Method Reference(s): EPA 8260C
EPA 5035A
Data File: x11075.D

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Report Prepared Monday, February 10, 2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier:	SP-11-10-12-013114		
Lab Sample ID:	140347-07	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.437	mg/Kg		2/4/2014
PCB-1221	< 0.437	mg/Kg		2/4/2014
PCB-1232	< 0.437	mg/Kg		2/4/2014
PCB-1242	< 0.437	mg/Kg		2/4/2014
PCB-1248	< 0.437	mg/Kg		2/4/2014
PCB-1254	< 0.437	mg/Kg		2/4/2014
PCB-1260	< 0.437	mg/Kg		2/4/2014
PCB-1262	< 0.437	mg/Kg		2/4/2014
PCB-1268	< 0.437	mg/Kg		2/4/2014

Method Reference(s): EPA 8082A
EPA 3550C

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 315	ug/Kg		2/4/2014
Acenaphthylene	< 315	ug/Kg		2/4/2014
Anthracene	< 315	ug/Kg		2/4/2014
Benzo (a) anthracene	< 315	ug/Kg		2/4/2014
Benzo (a) pyrene	< 315	ug/Kg		2/4/2014
Benzo (b) fluoranthene	< 315	ug/Kg		2/4/2014
Benzo (g,h,i) perylene	< 315	ug/Kg		2/4/2014
Benzo (k) fluoranthene	< 315	ug/Kg		2/4/2014
Chrysene	< 315	ug/Kg		2/4/2014
Dibenz (a,h) anthracene	< 315	ug/Kg		2/4/2014
Fluoranthene	< 315	ug/Kg		2/4/2014
Fluorene	< 315	ug/Kg		2/4/2014
Indeno (1,2,3-cd) pyrene	< 315	ug/Kg		2/4/2014

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-11-10-12-013114

Lab Sample ID: 140347-07 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

Naphthalene	< 315	ug/Kg		2/4/2014
Phenanthrene	< 315	ug/Kg		2/4/2014
Pyrene	< 315	ug/Kg		2/4/2014

Method Reference(s): EPA 8270D
EPA 3550C

Data File: S47637.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 756	ug/Kg		2/4/2014
1,1,2,2-Tetrachloroethane	< 756	ug/Kg		2/4/2014
1,1,2-Trichloroethane	< 756	ug/Kg		2/4/2014
1,1-Dichloroethane	< 756	ug/Kg		2/4/2014
1,1-Dichloroethene	< 756	ug/Kg		2/4/2014
1,2,3-Trichlorobenzene	< 1890	ug/Kg		2/4/2014
1,2,4-Trichlorobenzene	< 1890	ug/Kg		2/4/2014
1,2-Dibromo-3-Chloropropane	< 3780	ug/Kg		2/4/2014
1,2-Dibromoethane	< 756	ug/Kg		2/4/2014
1,2-Dichlorobenzene	< 756	ug/Kg		2/4/2014
1,2-Dichloroethane	< 756	ug/Kg		2/4/2014
1,2-Dichloropropane	< 756	ug/Kg		2/4/2014
1,3-Dichlorobenzene	< 756	ug/Kg		2/4/2014
1,4-Dichlorobenzene	< 756	ug/Kg		2/4/2014
1,4-dioxane	< 7560	ug/Kg		2/4/2014
2-Butanone	< 3780	ug/Kg		2/4/2014
2-Hexanone	< 1890	ug/Kg		2/4/2014
4-Methyl-2-pentanone	< 1890	ug/Kg		2/4/2014
Acetone	< 3780	ug/Kg		2/4/2014
Benzene	< 756	ug/Kg		2/4/2014
Bromochloromethane	< 1890	ug/Kg		2/4/2014
Bromodichloromethane	< 756	ug/Kg		2/4/2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-11-10-12-013114

Lab Sample ID: 140347-07 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

Bromoform	< 1890	ug/Kg	2/4/2014
Bromomethane	< 756	ug/Kg	2/4/2014
Carbon disulfide	< 756	ug/Kg	2/4/2014
Carbon Tetrachloride	< 756	ug/Kg	2/4/2014
Chlorobenzene	< 756	ug/Kg	2/4/2014
Chloroethane	< 756	ug/Kg	2/4/2014
Chloroform	< 756	ug/Kg	2/4/2014
Chloromethane	< 756	ug/Kg	2/4/2014
cis-1,2-Dichloroethene	< 756	ug/Kg	2/4/2014
cis-1,3-Dichloropropene	< 756	ug/Kg	2/4/2014
Cyclohexane	< 3780	ug/Kg	2/4/2014
Dibromochloromethane	< 756	ug/Kg	2/4/2014
Dichlorodifluoromethane	< 756	ug/Kg	2/4/2014
Ethylbenzene	< 756	ug/Kg	2/4/2014
Freon 113	< 756	ug/Kg	2/4/2014
Isopropylbenzene	< 756	ug/Kg	2/4/2014
m,p-Xylene	< 756	ug/Kg	2/4/2014
Methyl acetate	< 756	ug/Kg	2/4/2014
Methyl tert-butyl Ether	< 756	ug/Kg	2/4/2014
Methylcyclohexane	< 756	ug/Kg	2/4/2014
Methylene chloride	< 1890	ug/Kg	2/4/2014
o-Xylene	< 756	ug/Kg	2/4/2014
Styrene	< 1890	ug/Kg	2/4/2014
Tetrachloroethene	**33000**	ug/Kg	2/4/2014
Toluene	< 756	ug/Kg	2/4/2014
trans-1,2-Dichloroethene	< 756	ug/Kg	2/4/2014
trans-1,3-Dichloropropene	< 756	ug/Kg	2/4/2014
Trichloroethene	< 756	ug/Kg	2/4/2014
Trichlorofluoromethane	< 756	ug/Kg	2/4/2014
Vinyl chloride	< 756	ug/Kg	2/4/2014

Lab Project ID: 140347

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-11-10-12-013114		
Lab Sample ID:	140347-07	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

Method Reference(s):	EPA 8260C EPA 5035A
Data File:	x11099.D

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Report Prepared Monday, February 10, 2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier:	SP-12-8-10-013114		
Lab Sample ID:	140347-08	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.448	mg/Kg		2/4/2014
PCB-1221	< 0.448	mg/Kg		2/4/2014
PCB-1232	< 0.448	mg/Kg		2/4/2014
PCB-1242	< 0.448	mg/Kg		2/4/2014
PCB-1248	< 0.448	mg/Kg		2/4/2014
PCB-1254	< 0.448	mg/Kg		2/4/2014
PCB-1260	< 0.448	mg/Kg		2/4/2014
PCB-1262	< 0.448	mg/Kg		2/4/2014
PCB-1268	< 0.448	mg/Kg		2/4/2014

Method Reference(s): EPA 8082A
EPA 3550C

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 320	ug/Kg		2/5/2014
Acenaphthylene	< 320	ug/Kg		2/5/2014
Anthracene	< 320	ug/Kg		2/5/2014
Benzo (a) anthracene	< 320	ug/Kg		2/5/2014
Benzo (a) pyrene	< 320	ug/Kg		2/5/2014
Benzo (b) fluoranthene	< 320	ug/Kg		2/5/2014
Benzo (g,h,i) perylene	< 320	ug/Kg		2/5/2014
Benzo (k) fluoranthene	< 320	ug/Kg		2/5/2014
Chrysene	< 320	ug/Kg		2/5/2014
Dibenz (a,h) anthracene	< 320	ug/Kg		2/5/2014
Fluoranthene	< 320	ug/Kg		2/5/2014
Fluorene	< 320	ug/Kg		2/5/2014
Indeno (1,2,3-cd) pyrene	< 320	ug/Kg		2/5/2014

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-12-8-10-013114

Lab Sample ID: 140347-08 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

Naphthalene	< 320	ug/Kg		2/5/2014
Phenanthrene	< 320	ug/Kg		2/5/2014
Pyrene	< 320	ug/Kg		2/5/2014

Method Reference(s): EPA 8270D
EPA 3550C

Data File: S47638.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 9.19	ug/Kg		2/4/2014
1,1,2,2-Tetrachloroethane	< 9.19	ug/Kg		2/4/2014
1,1,2-Trichloroethane	< 9.19	ug/Kg		2/4/2014
1,1-Dichloroethane	< 9.19	ug/Kg		2/4/2014
1,1-Dichloroethene	< 9.19	ug/Kg		2/4/2014
1,2,3-Trichlorobenzene	< 23.0	ug/Kg		2/4/2014
1,2,4-Trichlorobenzene	< 23.0	ug/Kg		2/4/2014
1,2-Dibromo-3-Chloropropane	< 45.9	ug/Kg		2/4/2014
1,2-Dibromoethane	< 9.19	ug/Kg		2/4/2014
1,2-Dichlorobenzene	< 9.19	ug/Kg		2/4/2014
1,2-Dichloroethane	< 9.19	ug/Kg		2/4/2014
1,2-Dichloropropane	< 9.19	ug/Kg		2/4/2014
1,3-Dichlorobenzene	< 9.19	ug/Kg		2/4/2014
1,4-Dichlorobenzene	< 9.19	ug/Kg		2/4/2014
1,4-dioxane	< 91.9	ug/Kg		2/4/2014
2-Butanone	< 45.9	ug/Kg		2/4/2014
2-Hexanone	< 23.0	ug/Kg		2/4/2014
4-Methyl-2-pentanone	< 23.0	ug/Kg		2/4/2014
Acetone	< 45.9	ug/Kg		2/4/2014
Benzene	< 9.19	ug/Kg		2/4/2014
Bromochloromethane	< 23.0	ug/Kg		2/4/2014
Bromodichloromethane	< 9.19	ug/Kg		2/4/2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-12-8-10-013114

Lab Sample ID: 140347-08 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

Bromoform	< 23.0	ug/Kg	2/4/2014
Bromomethane	< 9.19	ug/Kg	2/4/2014
Carbon disulfide	< 9.19	ug/Kg	2/4/2014
Carbon Tetrachloride	< 9.19	ug/Kg	2/4/2014
Chlorobenzene	< 9.19	ug/Kg	2/4/2014
Chloroethane	< 9.19	ug/Kg	2/4/2014
Chloroform	< 9.19	ug/Kg	2/4/2014
Chloromethane	< 9.19	ug/Kg	2/4/2014
cis-1,2-Dichloroethene	**135**	ug/Kg	2/4/2014
cis-1,3-Dichloropropene	< 9.19	ug/Kg	2/4/2014
Cyclohexane	< 45.9	ug/Kg	2/4/2014
Dibromochloromethane	< 9.19	ug/Kg	2/4/2014
Dichlorodifluoromethane	< 9.19	ug/Kg	2/4/2014
Ethylbenzene	< 9.19	ug/Kg	2/4/2014
Freon 113	< 9.19	ug/Kg	2/4/2014
Isopropylbenzene	< 9.19	ug/Kg	2/4/2014
m,p-Xylene	< 9.19	ug/Kg	2/4/2014
Methyl acetate	< 9.19	ug/Kg	2/4/2014
Methyl tert-butyl Ether	< 9.19	ug/Kg	2/4/2014
Methylcyclohexane	< 9.19	ug/Kg	2/4/2014
Methylene chloride	< 23.0	ug/Kg	2/4/2014
o-Xylene	< 9.19	ug/Kg	2/4/2014
Styrene	< 23.0	ug/Kg	2/4/2014
Tetrachloroethene	**23.5**	ug/Kg	2/4/2014
Toluene	< 9.19	ug/Kg	2/4/2014
trans-1,2-Dichloroethene	< 9.19	ug/Kg	2/4/2014
trans-1,3-Dichloropropene	< 9.19	ug/Kg	2/4/2014
Trichloroethene	**74.1**	ug/Kg	2/4/2014
Trichlorofluoromethane	< 9.19	ug/Kg	2/4/2014
Vinyl chloride	< 9.19	ug/Kg	2/4/2014

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-12-8-10-013114		
Lab Sample ID:	140347-08	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

Method Reference(s): EPA 8260C
EPA 5035A
Data File: x11092.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier:	SP-13-4-013114		
Lab Sample ID:	140347-09	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.436	mg/Kg		2/4/2014
PCB-1221	< 0.436	mg/Kg		2/4/2014
PCB-1232	< 0.436	mg/Kg		2/4/2014
PCB-1242	< 0.436	mg/Kg		2/4/2014
PCB-1248	< 0.436	mg/Kg		2/4/2014
PCB-1254	< 0.436	mg/Kg		2/4/2014
PCB-1260	< 0.436	mg/Kg		2/4/2014
PCB-1262	< 0.436	mg/Kg		2/4/2014
PCB-1268	< 0.436	mg/Kg		2/4/2014

Method Reference(s): EPA 8082A
EPA 3550C

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 346	ug/Kg		2/5/2014
Acenaphthylene	< 346	ug/Kg		2/5/2014
Anthracene	< 346	ug/Kg		2/5/2014
Benzo (a) anthracene	< 346	ug/Kg		2/5/2014
Benzo (a) pyrene	< 346	ug/Kg		2/5/2014
Benzo (b) fluoranthene	< 346	ug/Kg		2/5/2014
Benzo (g,h,i) perylene	< 346	ug/Kg		2/5/2014
Benzo (k) fluoranthene	< 346	ug/Kg		2/5/2014
Chrysene	< 346	ug/Kg		2/5/2014
Dibenz (a,h) anthracene	< 346	ug/Kg		2/5/2014
Fluoranthene	< 346	ug/Kg		2/5/2014
Fluorene	< 346	ug/Kg		2/5/2014
Indeno (1,2,3-cd) pyrene	< 346	ug/Kg		2/5/2014

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-13-4-013114

Lab Sample ID: 140347-09 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

Naphthalene	< 346	ug/Kg		2/5/2014
Phenanthrene	< 346	ug/Kg		2/5/2014
Pyrene	< 346	ug/Kg		2/5/2014

Method Reference(s): EPA 8270D
EPA 3550C

Data File: S47639.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 12.6	ug/Kg		2/4/2014
1,1,2,2-Tetrachloroethane	< 12.6	ug/Kg		2/4/2014
1,1,2-Trichloroethane	< 12.6	ug/Kg		2/4/2014
1,1-Dichloroethane	< 12.6	ug/Kg		2/4/2014
1,1-Dichloroethene	< 12.6	ug/Kg		2/4/2014
1,2,3-Trichlorobenzene	< 31.6	ug/Kg		2/4/2014
1,2,4-Trichlorobenzene	< 31.6	ug/Kg		2/4/2014
1,2-Dibromo-3-Chloropropane	< 63.2	ug/Kg		2/4/2014
1,2-Dibromoethane	< 12.6	ug/Kg		2/4/2014
1,2-Dichlorobenzene	< 12.6	ug/Kg		2/4/2014
1,2-Dichloroethane	< 12.6	ug/Kg		2/4/2014
1,2-Dichloropropane	< 12.6	ug/Kg		2/4/2014
1,3-Dichlorobenzene	< 12.6	ug/Kg		2/4/2014
1,4-Dichlorobenzene	< 12.6	ug/Kg		2/4/2014
1,4-dioxane	< 126	ug/Kg		2/4/2014
2-Butanone	< 63.2	ug/Kg		2/4/2014
2-Hexanone	< 31.6	ug/Kg		2/4/2014
4-Methyl-2-pentanone	< 31.6	ug/Kg		2/4/2014
Acetone	< 63.2	ug/Kg		2/4/2014
Benzene	**120**	ug/Kg		2/4/2014
Bromochloromethane	< 31.6	ug/Kg		2/4/2014
Bromodichloromethane	< 12.6	ug/Kg		2/4/2014

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PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier:	SP-13-4-013114		
Lab Sample ID:	140347-09	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

Bromoform	< 31.6	ug/Kg	2/4/2014
Bromomethane	< 12.6	ug/Kg	2/4/2014
Carbon disulfide	< 12.6	ug/Kg	2/4/2014
Carbon Tetrachloride	< 12.6	ug/Kg	2/4/2014
Chlorobenzene	< 12.6	ug/Kg	2/4/2014
Chloroethane	< 12.6	ug/Kg	2/4/2014
Chloroform	< 12.6	ug/Kg	2/4/2014
Chloromethane	< 12.6	ug/Kg	2/4/2014
cis-1,2-Dichloroethene	< 12.6	ug/Kg	2/4/2014
cis-1,3-Dichloropropene	< 12.6	ug/Kg	2/4/2014
Cyclohexane	< 63.2	ug/Kg	2/4/2014
Dibromochloromethane	< 12.6	ug/Kg	2/4/2014
Dichlorodifluoromethane	< 12.6	ug/Kg	2/4/2014
Ethylbenzene	**151**	ug/Kg	2/4/2014
Freon 113	< 12.6	ug/Kg	2/4/2014
Isopropylbenzene	**105**	ug/Kg	2/4/2014
m,p-Xylene	**263**	ug/Kg	2/4/2014
Methyl acetate	< 12.6	ug/Kg	2/4/2014
Methyl tert-butyl Ether	< 12.6	ug/Kg	2/4/2014
Methylcyclohexane	< 12.6	ug/Kg	2/4/2014
Methylene chloride	< 31.6	ug/Kg	2/4/2014
o-Xylene	**38.3**	ug/Kg	2/4/2014
Styrene	< 31.6	ug/Kg	2/4/2014
Tetrachloroethene	< 12.6	ug/Kg	2/4/2014
Toluene	**42.0**	ug/Kg	2/4/2014
trans-1,2-Dichloroethene	< 12.6	ug/Kg	2/4/2014
trans-1,3-Dichloropropene	< 12.6	ug/Kg	2/4/2014
Trichloroethene	< 12.6	ug/Kg	2/4/2014
Trichlorofluoromethane	< 12.6	ug/Kg	2/4/2014
Vinyl chloride	< 12.6	ug/Kg	2/4/2014

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Report Prepared Monday, February 10, 2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-13-4-013114		
Lab Sample ID:	140347-09	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

Method Reference(s):	EPA 8260C
	EPA 5035A
Data File:	x11091.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier:	SP-13-4-6-013114		
Lab Sample ID:	140347-10	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.452	mg/Kg		2/4/2014
PCB-1221	< 0.452	mg/Kg		2/4/2014
PCB-1232	< 0.452	mg/Kg		2/4/2014
PCB-1242	< 0.452	mg/Kg		2/4/2014
PCB-1248	< 0.452	mg/Kg		2/4/2014
PCB-1254	< 0.452	mg/Kg		2/4/2014
PCB-1260	< 0.452	mg/Kg		2/4/2014
PCB-1262	< 0.452	mg/Kg		2/4/2014
PCB-1268	< 0.452	mg/Kg		2/4/2014

Method Reference(s): EPA 8082A
EPA 3550C

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 347	ug/Kg		2/5/2014
Acenaphthylene	< 347	ug/Kg		2/5/2014
Anthracene	< 347	ug/Kg		2/5/2014
Benzo (a) anthracene	< 347	ug/Kg		2/5/2014
Benzo (a) pyrene	< 347	ug/Kg		2/5/2014
Benzo (b) fluoranthene	< 347	ug/Kg		2/5/2014
Benzo (g,h,i) perylene	< 347	ug/Kg		2/5/2014
Benzo (k) fluoranthene	< 347	ug/Kg		2/5/2014
Chrysene	< 347	ug/Kg		2/5/2014
Dibenz (a,h) anthracene	< 347	ug/Kg		2/5/2014
Fluoranthene	< 347	ug/Kg		2/5/2014
Fluorene	< 347	ug/Kg		2/5/2014
Indeno (1,2,3-cd) pyrene	< 347	ug/Kg		2/5/2014

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier: SP-13-4-6-013114

Lab Sample ID: 140347-10 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

Naphthalene	< 347	ug/Kg		2/5/2014
Phenanthrene	< 347	ug/Kg		2/5/2014
Pyrene	< 347	ug/Kg		2/5/2014

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S47640.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 9.00	ug/Kg		2/3/2014
1,1,2,2-Tetrachloroethane	< 9.00	ug/Kg		2/3/2014
1,1,2-Trichloroethane	< 9.00	ug/Kg		2/3/2014
1,1-Dichloroethane	< 9.00	ug/Kg		2/3/2014
1,1-Dichloroethene	< 9.00	ug/Kg		2/3/2014
1,2,3-Trichlorobenzene	< 22.5	ug/Kg		2/3/2014
1,2,4-Trichlorobenzene	< 22.5	ug/Kg		2/3/2014
1,2-Dibromo-3-Chloropropane	< 45.0	ug/Kg		2/3/2014
1,2-Dibromoethane	< 9.00	ug/Kg		2/3/2014
1,2-Dichlorobenzene	< 9.00	ug/Kg		2/3/2014
1,2-Dichloroethane	< 9.00	ug/Kg		2/3/2014
1,2-Dichloropropane	< 9.00	ug/Kg		2/3/2014
1,3-Dichlorobenzene	< 9.00	ug/Kg		2/3/2014
1,4-Dichlorobenzene	< 9.00	ug/Kg		2/3/2014
1,4-dioxane	< 90.0	ug/Kg		2/3/2014
2-Butanone	< 45.0	ug/Kg		2/3/2014
2-Hexanone	< 22.5	ug/Kg		2/3/2014
4-Methyl-2-pentanone	< 22.5	ug/Kg		2/3/2014
Acetone	< 45.0	ug/Kg		2/3/2014
Benzene	**11.2**	ug/Kg		2/3/2014
Bromochloromethane	< 22.5	ug/Kg		2/3/2014
Bromodichloromethane	< 9.00	ug/Kg		2/3/2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-13-4-6-013114
Lab Sample ID: 140347-10 **Date Sampled:** 1/31/2014
Matrix: Soil **Date Received:** 2/3/2014

Bromoform	< 22.5	ug/Kg	2/3/2014
Bromomethane	< 9.00	ug/Kg	2/3/2014
Carbon disulfide	< 9.00	ug/Kg	2/3/2014
Carbon Tetrachloride	< 9.00	ug/Kg	2/3/2014
Chlorobenzene	< 9.00	ug/Kg	2/3/2014
Chloroethane	< 9.00	ug/Kg	2/3/2014
Chloroform	< 9.00	ug/Kg	2/3/2014
Chloromethane	< 9.00	ug/Kg	2/3/2014
cis-1,2-Dichloroethene	< 9.00	ug/Kg	2/3/2014
cis-1,3-Dichloropropene	< 9.00	ug/Kg	2/3/2014
Cyclohexane	< 45.0	ug/Kg	2/3/2014
Dibromochloromethane	< 9.00	ug/Kg	2/3/2014
Dichlorodifluoromethane	< 9.00	ug/Kg	2/3/2014
Ethylbenzene	**30.2**	ug/Kg	2/3/2014
Freon 113	< 9.00	ug/Kg	2/3/2014
Isopropylbenzene	**36.3**	ug/Kg	2/3/2014
m,p-Xylene	< 9.00	ug/Kg	2/3/2014
Methyl acetate	< 9.00	ug/Kg	2/3/2014
Methyl tert-butyl Ether	< 9.00	ug/Kg	2/3/2014
Methylcyclohexane	**51.3**	ug/Kg	2/3/2014
Methylene chloride	< 22.5	ug/Kg	2/3/2014
o-Xylene	< 9.00	ug/Kg	2/3/2014
Styrene	< 22.5	ug/Kg	2/3/2014
Tetrachloroethene	< 9.00	ug/Kg	2/3/2014
Toluene	< 9.00	ug/Kg	2/3/2014
trans-1,2-Dichloroethene	< 9.00	ug/Kg	2/3/2014
trans-1,3-Dichloropropene	< 9.00	ug/Kg	2/3/2014
Trichloroethene	< 9.00	ug/Kg	2/3/2014
Trichlorofluoromethane	< 9.00	ug/Kg	2/3/2014
Vinyl chloride	< 9.00	ug/Kg	2/3/2014

Lab Project ID: 140347

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-13-4-6-013114		
Lab Sample ID:	140347-10	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x11081.D

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Report Prepared Monday, February 10, 2014

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-14-4-6-013114

Lab Sample ID: 140347-11 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.437	mg/Kg		2/4/2014
PCB-1221	< 0.437	mg/Kg		2/4/2014
PCB-1232	< 0.437	mg/Kg		2/4/2014
PCB-1242	< 0.437	mg/Kg		2/4/2014
PCB-1248	< 0.437	mg/Kg		2/4/2014
PCB-1254	< 0.437	mg/Kg		2/4/2014
PCB-1260	< 0.437	mg/Kg		2/4/2014
PCB-1262	< 0.437	mg/Kg		2/4/2014
PCB-1268	< 0.437	mg/Kg		2/4/2014

Method Reference(s): EPA 8082A
EPA 3550C

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 334	ug/Kg		2/5/2014
Acenaphthylene	< 334	ug/Kg		2/5/2014
Anthracene	< 334	ug/Kg		2/5/2014
Benzo (a) anthracene	< 334	ug/Kg		2/5/2014
Benzo (a) pyrene	< 334	ug/Kg		2/5/2014
Benzo (b) fluoranthene	< 334	ug/Kg		2/5/2014
Benzo (g,h,i) perylene	< 334	ug/Kg		2/5/2014
Benzo (k) fluoranthene	< 334	ug/Kg		2/5/2014
Chrysene	< 334	ug/Kg		2/5/2014
Dibenz (a,h) anthracene	< 334	ug/Kg		2/5/2014
Fluoranthene	< 334	ug/Kg		2/5/2014
Fluorene	< 334	ug/Kg		2/5/2014
Indeno (1,2,3-cd) pyrene	< 334	ug/Kg		2/5/2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-14-4-6-013114
Lab Sample ID: 140347-11 **Date Sampled:** 1/31/2014
Matrix: Soil **Date Received:** 2/3/2014

Naphthalene	< 334	ug/Kg		2/5/2014
Phenanthrene	< 334	ug/Kg		2/5/2014
Pyrene	< 334	ug/Kg		2/5/2014

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S47641.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 8.01	ug/Kg		2/3/2014
1,1,2,2-Tetrachloroethane	< 8.01	ug/Kg		2/3/2014
1,1,2-Trichloroethane	< 8.01	ug/Kg		2/3/2014
1,1-Dichloroethane	< 8.01	ug/Kg		2/3/2014
1,1-Dichloroethene	< 8.01	ug/Kg		2/3/2014
1,2,3-Trichlorobenzene	< 20.0	ug/Kg		2/3/2014
1,2,4-Trichlorobenzene	< 20.0	ug/Kg		2/3/2014
1,2-Dibromo-3-Chloropropane	< 40.1	ug/Kg		2/3/2014
1,2-Dibromoethane	< 8.01	ug/Kg		2/3/2014
1,2-Dichlorobenzene	< 8.01	ug/Kg		2/3/2014
1,2-Dichloroethane	< 8.01	ug/Kg		2/3/2014
1,2-Dichloropropane	< 8.01	ug/Kg		2/3/2014
1,3-Dichlorobenzene	< 8.01	ug/Kg		2/3/2014
1,4-Dichlorobenzene	< 8.01	ug/Kg		2/3/2014
1,4-dioxane	< 80.1	ug/Kg		2/3/2014
2-Butanone	< 40.1	ug/Kg		2/3/2014
2-Hexanone	< 20.0	ug/Kg		2/3/2014
4-Methyl-2-pentanone	< 20.0	ug/Kg		2/3/2014
Acetone	< 40.1	ug/Kg		2/3/2014
Benzene	< 8.01	ug/Kg		2/3/2014
Bromochloromethane	< 20.0	ug/Kg		2/3/2014
Bromodichloromethane	< 8.01	ug/Kg		2/3/2014

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-14-4-6-013114
Lab Sample ID: 140347-11 **Date Sampled:** 1/31/2014
Matrix: Soil **Date Received:** 2/3/2014

Bromoform	< 20.0	ug/Kg	2/3/2014
Bromomethane	< 8.01	ug/Kg	2/3/2014
Carbon disulfide	< 8.01	ug/Kg	2/3/2014
Carbon Tetrachloride	< 8.01	ug/Kg	2/3/2014
Chlorobenzene	< 8.01	ug/Kg	2/3/2014
Chloroethane	< 8.01	ug/Kg	2/3/2014
Chloroform	< 8.01	ug/Kg	2/3/2014
Chloromethane	< 8.01	ug/Kg	2/3/2014
cis-1,2-Dichloroethene	< 8.01	ug/Kg	2/3/2014
cis-1,3-Dichloropropene	< 8.01	ug/Kg	2/3/2014
Cyclohexane	< 40.1	ug/Kg	2/3/2014
Dibromochloromethane	< 8.01	ug/Kg	2/3/2014
Dichlorodifluoromethane	< 8.01	ug/Kg	2/3/2014
Ethylbenzene	< 8.01	ug/Kg	2/3/2014
Freon 113	< 8.01	ug/Kg	2/3/2014
Isopropylbenzene	< 8.01	ug/Kg	2/3/2014
m,p-Xylene	< 8.01	ug/Kg	2/3/2014
Methyl acetate	< 8.01	ug/Kg	2/3/2014
Methyl tert-butyl Ether	< 8.01	ug/Kg	2/3/2014
Methylcyclohexane	< 8.01	ug/Kg	2/3/2014
Methylene chloride	< 20.0	ug/Kg	2/3/2014
o-Xylene	< 8.01	ug/Kg	2/3/2014
Styrene	< 20.0	ug/Kg	2/3/2014
Tetrachloroethene	< 8.01	ug/Kg	2/3/2014
Toluene	< 8.01	ug/Kg	2/3/2014
trans-1,2-Dichloroethene	< 8.01	ug/Kg	2/3/2014
trans-1,3-Dichloropropene	< 8.01	ug/Kg	2/3/2014
Trichloroethene	< 8.01	ug/Kg	2/3/2014
Trichlorofluoromethane	< 8.01	ug/Kg	2/3/2014
Vinyl chloride	< 8.01	ug/Kg	2/3/2014

Report Prepared Monday, February 10, 2014

Lab Project ID: 140347

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-14-4-6-013114		
Lab Sample ID:	140347-11	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x11082.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 Monday, February 10, 2014

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier:	SP-15-2-4-013114		
Lab Sample ID:	140347-12	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.531	mg/Kg		2/4/2014
PCB-1221	< 0.531	mg/Kg		2/4/2014
PCB-1232	< 0.531	mg/Kg		2/4/2014
PCB-1242	< 0.531	mg/Kg		2/4/2014
PCB-1248	< 0.531	mg/Kg		2/4/2014
PCB-1254	< 0.531	mg/Kg		2/4/2014
PCB-1260	< 0.531	mg/Kg		2/4/2014
PCB-1262	< 0.531	mg/Kg		2/4/2014
PCB-1268	< 0.531	mg/Kg		2/4/2014

Method Reference(s): EPA 8082A
EPA 3550C

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 404	ug/Kg		2/6/2014
Acenaphthylene	< 404	ug/Kg		2/6/2014
Anthracene	< 404	ug/Kg		2/6/2014
Benzo (a) anthracene	< 404	ug/Kg		2/6/2014
Benzo (a) pyrene	< 404	ug/Kg		2/6/2014
Benzo (b) fluoranthene	< 404	ug/Kg		2/6/2014
Benzo (g,h,i) perylene	< 404	ug/Kg		2/6/2014
Benzo (k) fluoranthene	< 404	ug/Kg		2/6/2014
Chrysene	< 404	ug/Kg		2/6/2014
Dibenz (a,h) anthracene	< 404	ug/Kg		2/6/2014
Fluoranthene	< 404	ug/Kg		2/6/2014
Fluorene	< 404	ug/Kg		2/6/2014
Indeno (1,2,3-cd) pyrene	< 404	ug/Kg		2/6/2014

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-15-2-4-013114

Lab Sample ID: 140347-12 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

Naphthalene	< 404	ug/Kg		2/6/2014
Phenanthrene	< 404	ug/Kg		2/6/2014
Pyrene	< 404	ug/Kg		2/6/2014

Method Reference(s): EPA 8270D
EPA 3550C

Data File: S47673.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 9.81	ug/Kg		2/3/2014
1,1,2,2-Tetrachloroethane	< 9.81	ug/Kg		2/3/2014
1,1,2-Trichloroethane	< 9.81	ug/Kg		2/3/2014
1,1-Dichloroethane	< 9.81	ug/Kg		2/3/2014
1,1-Dichloroethene	< 9.81	ug/Kg		2/3/2014
1,2,3-Trichlorobenzene	< 24.5	ug/Kg		2/3/2014
1,2,4-Trichlorobenzene	< 24.5	ug/Kg		2/3/2014
1,2-Dibromo-3-Chloropropane	< 49.1	ug/Kg		2/3/2014
1,2-Dibromoethane	< 9.81	ug/Kg		2/3/2014
1,2-Dichlorobenzene	< 9.81	ug/Kg		2/3/2014
1,2-Dichloroethane	< 9.81	ug/Kg		2/3/2014
1,2-Dichloropropane	< 9.81	ug/Kg		2/3/2014
1,3-Dichlorobenzene	< 9.81	ug/Kg		2/3/2014
1,4-Dichlorobenzene	< 9.81	ug/Kg		2/3/2014
1,4-dioxane	< 98.1	ug/Kg		2/3/2014
2-Butanone	< 49.1	ug/Kg		2/3/2014
2-Hexanone	< 24.5	ug/Kg		2/3/2014
4-Methyl-2-pentanone	< 24.5	ug/Kg		2/3/2014
Acetone	**144**	ug/Kg		2/3/2014
Benzene	< 9.81	ug/Kg		2/3/2014
Bromochloromethane	< 24.5	ug/Kg		2/3/2014
Bromodichloromethane	< 9.81	ug/Kg		2/3/2014

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier: SP-15-2-4-013114

Lab Sample ID: 140347-12 **Date Sampled:** 1/31/2014

Matrix: Soil **Date Received:** 2/3/2014

Bromoform	< 24.5	ug/Kg	2/3/2014
Bromomethane	< 9.81	ug/Kg	2/3/2014
Carbon disulfide	< 9.81	ug/Kg	2/3/2014
Carbon Tetrachloride	< 9.81	ug/Kg	2/3/2014
Chlorobenzene	< 9.81	ug/Kg	2/3/2014
Chloroethane	< 9.81	ug/Kg	2/3/2014
Chloroform	< 9.81	ug/Kg	2/3/2014
Chloromethane	< 9.81	ug/Kg	2/3/2014
cis-1,2-Dichloroethene	< 9.81	ug/Kg	2/3/2014
cis-1,3-Dichloropropene	< 9.81	ug/Kg	2/3/2014
Cyclohexane	< 49.1	ug/Kg	2/3/2014
Dibromochloromethane	< 9.81	ug/Kg	2/3/2014
Dichlorodifluoromethane	< 9.81	ug/Kg	2/3/2014
Ethylbenzene	< 9.81	ug/Kg	2/3/2014
Freon 113	< 9.81	ug/Kg	2/3/2014
Isopropylbenzene	< 9.81	ug/Kg	2/3/2014
m,p-Xylene	< 9.81	ug/Kg	2/3/2014
Methyl acetate	< 9.81	ug/Kg	2/3/2014
Methyl tert-butyl Ether	< 9.81	ug/Kg	2/3/2014
Methylcyclohexane	< 9.81	ug/Kg	2/3/2014
Methylene chloride	< 24.5	ug/Kg	2/3/2014
o-Xylene	< 9.81	ug/Kg	2/3/2014
Styrene	< 24.5	ug/Kg	2/3/2014
Tetrachloroethene	< 9.81	ug/Kg	2/3/2014
Toluene	< 9.81	ug/Kg	2/3/2014
trans-1,2-Dichloroethene	< 9.81	ug/Kg	2/3/2014
trans-1,3-Dichloropropene	< 9.81	ug/Kg	2/3/2014
Trichloroethene	< 9.81	ug/Kg	2/3/2014
Trichlorofluoromethane	< 9.81	ug/Kg	2/3/2014
Vinyl chloride	< 9.81	ug/Kg	2/3/2014

Report Prepared Monday, February 10, 2014

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 140347

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-15-2-4-013114		
Lab Sample ID:	140347-12	**Date Sampled:**	1/31/2014
Matrix:	Soil	**Date Received:**	2/3/2014

Method Reference(s):	EPA 8260C
	EPA 5035A
Data File:	x11083.D

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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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.

1 of 3

1 of 2

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	LAB PROJECT ID
CLIENT: GZA GeoEnvironmental	CLIENT:	140347
ADDRESS: 535 Washington St	ADDRESS:	
CITY: Buffalo STATE: NY ZIP: 14203	CITY: STATE: ZIP:	Quotation #:
PHONE: 716 685 2300	PHONE:	Email: christopher.boron@gza.com thomas.bohlen@gza.com
ATTN: C. Boron	ATTN:	

PROJECT REFERENCE
21.0056687.10

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 TCL	SVOC 8270 STARS	PCBs 8082	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	1/30/14	1010	X		SP-3-0.5-2-013014	SO	1	X	X	X		01
2	↓	1345	X		SP-5-8-10-013014	↓	1	X	X	X		02
3	1/31/14	0815	X		SP-8-6-8-013114		1	X	X	X		03
4		0810	X		SP-8-0.5-2-013114		1	X	X	X		04
5		0935	X		SP-10-4-6-013114		1	X	X	X		05
6		1020		X	SP-11-7-013114		1	X	X	X		06
7		1050	X		SP-11-10-12-013114		1	X	X	X		07
8		1115	X		SP-12-8-10-013114		1	X	X	X		08
9		1150		X	SP-13-4-013114		1	X	X	X		09
10	↓	1205	X		SP-13-4-6-013114	↓	1	X	X	X		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	☒
Rush 2 day	☐	Category B	☐		
Rush 1 day	☐				
Other please indicate: 10 day	☒	Other please indicate:	☐	Other EDD please indicate:	☐

Sampled By: Thomas Bohlen Date/Time: 1/31/14

Relinquished By: Thomas Bohlen Date/Time: 1/31/14/1645

Received By: [signature] Date/Time: 1/31/14 16:45

Received @ Lab By: [signature] Date/Time: 2/3/14 1257

Total Cost:

P.I.F.

2 of 3

2 of 2

PARADIGM

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
CLIENT: GZA GeoEnvironmental	CLIENT:	LAB PROJECT ID: 140 347
ADDRESS: 535 Washington St.	ADDRESS:	
CITY: Buffalo STATE: NY ZIP: 14203	CITY: STATE: ZIP:	Quotation #:
PHONE: 716-685-2300	PHONE:	Email: christopher.boron@gza.com
ATTN: C Boron	ATTN:	

PROJECT REFERENCE: 21.0056687.10

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 TCL	SVOC 8270 STARS	PCBs 8082	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	1/31/14	1340	X		SP-14-4-6-013114	SO	1	X	X	X		1 1
2	↓	1430	X		SP-15-2-4-013114	↓	1	X	X	X		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	☐	Batch QC	☐	Basic EDD	☐
Rush 3 day	☐	Category A	☐	NYSDEC EDD	☒
Rush 2 day	☐	Category B	☐		
Rush 1 day	☐				
Other please indicate: 10 day	☒	Other please indicate:	☐	Other EDD please indicate:	☐

Sampled By: Thomas Bohlen — Date/Time: 1/31/14

Relinquished By: Thomas Bohlen — Date/Time: 1/31/14 / 1645

Received By: [signature] — Date/Time: 1/31/14 16:45

Received @ Lab By: [signature] — Date/Time: 2/3/14 1257

Total Cost:

P.I.F.

Chain of Custody Supplement

Client: G2A Geo **Completed by:** MWail

Lab Project ID: 140347 **Date:** 2/3/14

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	X 5035	
Comments: G2			
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 by temp B/L			
Sufficient Sample Quantity	X		
Comments			

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC

Analytical Report For

GZA Geo Environmental of New York

For Lab Project ID

141179

Referencing

21.0056687.10

Prepared

Tuesday, April 08, 2014

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

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: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-16-10-12-033014

Lab Sample ID: 141179-01 **Date Sampled:** 3/30/2014

Matrix: Soil **Date Received:** 4/1/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 50.5	ug/Kg		4/4/2014	17:41
1,1,2,2-Tetrachloroethane	< 50.5	ug/Kg		4/4/2014	17:41
1,1,2-Trichloroethane	< 50.5	ug/Kg		4/4/2014	17:41
1,1-Dichloroethane	< 50.5	ug/Kg		4/4/2014	17:41
1,1-Dichloroethene	< 50.5	ug/Kg		4/4/2014	17:41
1,2,3-Trichlorobenzene	< 126	ug/Kg		4/4/2014	17:41
1,2,4-Trichlorobenzene	< 126	ug/Kg		4/4/2014	17:41
1,2-Dibromo-3-Chloropropane	< 253	ug/Kg		4/4/2014	17:41
1,2-Dibromoethane	< 50.5	ug/Kg		4/4/2014	17:41
1,2-Dichlorobenzene	< 50.5	ug/Kg		4/4/2014	17:41
1,2-Dichloroethane	< 50.5	ug/Kg		4/4/2014	17:41
1,2-Dichloropropane	< 50.5	ug/Kg		4/4/2014	17:41
1,3-Dichlorobenzene	< 50.5	ug/Kg		4/4/2014	17:41
1,4-Dichlorobenzene	< 50.5	ug/Kg		4/4/2014	17:41
1,4-dioxane	< 505	ug/Kg		4/4/2014	17:41
2-Butanone	< 253	ug/Kg		4/4/2014	17:41
2-Hexanone	< 126	ug/Kg		4/4/2014	17:41
4-Methyl-2-pentanone	< 126	ug/Kg		4/4/2014	17:41
Acetone	< 253	ug/Kg		4/4/2014	17:41
Benzene	< 50.5	ug/Kg		4/4/2014	17:41
Bromochloromethane	< 126	ug/Kg		4/4/2014	17:41
Bromodichloromethane	< 50.5	ug/Kg		4/4/2014	17:41
Bromoform	< 126	ug/Kg		4/4/2014	17:41
Bromomethane	< 50.5	ug/Kg		4/4/2014	17:41
Carbon disulfide	< 50.5	ug/Kg		4/4/2014	17:41
Carbon Tetrachloride	< 50.5	ug/Kg		4/4/2014	17:41

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: 141179

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier: SP-16-10-12-033014

Lab Sample ID: 141179-01 **Date Sampled:** 3/30/2014

Matrix: Soil **Date Received:** 4/1/2014

Chlorobenzene	< 50.5	ug/Kg	4/4/2014	17:41
Chloroethane	< 50.5	ug/Kg	4/4/2014	17:41
Chloroform	< 50.5	ug/Kg	4/4/2014	17:41
Chloromethane	< 50.5	ug/Kg	4/4/2014	17:41
cis-1,2-Dichloroethene	< 50.5	ug/Kg	4/4/2014	17:41
cis-1,3-Dichloropropene	< 50.5	ug/Kg	4/4/2014	17:41
Cyclohexane	< 253	ug/Kg	4/4/2014	17:41
Dibromochloromethane	< 50.5	ug/Kg	4/4/2014	17:41
Dichlorodifluoromethane	< 50.5	ug/Kg	4/4/2014	17:41
Ethylbenzene	< 50.5	ug/Kg	4/4/2014	17:41
Freon 113	< 50.5	ug/Kg	4/4/2014	17:41
Isopropylbenzene	< 50.5	ug/Kg	4/4/2014	17:41
m,p-Xylene	< 50.5	ug/Kg	4/4/2014	17:41
Methyl acetate	< 50.5	ug/Kg	4/4/2014	17:41
Methyl tert-butyl Ether	< 50.5	ug/Kg	4/4/2014	17:41
Methylcyclohexane	< 50.5	ug/Kg	4/4/2014	17:41
Methylene chloride	< 126	ug/Kg	4/4/2014	17:41
o-Xylene	< 50.5	ug/Kg	4/4/2014	17:41
Styrene	< 126	ug/Kg	4/4/2014	17:41
Tetrachloroethene	**4400**	ug/Kg	4/4/2014	17:41
Toluene	< 50.5	ug/Kg	4/4/2014	17:41
trans-1,2-Dichloroethene	< 50.5	ug/Kg	4/4/2014	17:41
trans-1,3-Dichloropropene	< 50.5	ug/Kg	4/4/2014	17:41
Trichloroethene	< 50.5	ug/Kg	4/4/2014	17:41
Trichlorofluoromethane	< 50.5	ug/Kg	4/4/2014	17:41
Vinyl chloride	< 50.5	ug/Kg	4/4/2014	17:41

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141179

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-16-10-12-033014		
Lab Sample ID:	141179-01	**Date Sampled:**	3/30/2014
Matrix:	Soil	**Date Received:**	4/1/2014

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x12281.D

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: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier:	SP-16-12-14-033014		
Lab Sample ID:	141179-02	**Date Sampled:**	3/30/2014
Matrix:	Soil	**Date Received:**	4/1/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 100	ug/Kg		4/4/2014	18:05
1,1,2,2-Tetrachloroethane	< 100	ug/Kg		4/4/2014	18:05
1,1,2-Trichloroethane	< 100	ug/Kg		4/4/2014	18:05
1,1-Dichloroethane	< 100	ug/Kg		4/4/2014	18:05
1,1-Dichloroethene	< 100	ug/Kg		4/4/2014	18:05
1,2,3-Trichlorobenzene	< 250	ug/Kg		4/4/2014	18:05
1,2,4-Trichlorobenzene	< 250	ug/Kg		4/4/2014	18:05
1,2-Dibromo-3-Chloropropane	< 501	ug/Kg		4/4/2014	18:05
1,2-Dibromoethane	< 100	ug/Kg		4/4/2014	18:05
1,2-Dichlorobenzene	< 100	ug/Kg		4/4/2014	18:05
1,2-Dichloroethane	< 100	ug/Kg		4/4/2014	18:05
1,2-Dichloropropane	< 100	ug/Kg		4/4/2014	18:05
1,3-Dichlorobenzene	< 100	ug/Kg		4/4/2014	18:05
1,4-Dichlorobenzene	< 100	ug/Kg		4/4/2014	18:05
1,4-dioxane	< 1000	ug/Kg		4/4/2014	18:05
2-Butanone	< 501	ug/Kg		4/4/2014	18:05
2-Hexanone	< 250	ug/Kg		4/4/2014	18:05
4-Methyl-2-pentanone	< 250	ug/Kg		4/4/2014	18:05
Acetone	< 501	ug/Kg		4/4/2014	18:05
Benzene	< 100	ug/Kg		4/4/2014	18:05
Bromochloromethane	< 250	ug/Kg		4/4/2014	18:05
Bromodichloromethane	< 100	ug/Kg		4/4/2014	18:05
Bromoform	< 250	ug/Kg		4/4/2014	18:05
Bromomethane	< 100	ug/Kg		4/4/2014	18:05
Carbon disulfide	< 100	ug/Kg		4/4/2014	18:05
Carbon Tetrachloride	< 100	ug/Kg		4/4/2014	18:05

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141179

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier: SP-16-12-14-033014
Lab Sample ID: 141179-02 **Date Sampled:** 3/30/2014
Matrix: Soil **Date Received:** 4/1/2014

Chlorobenzene	< 100	ug/Kg	4/4/2014	18:05
Chloroethane	< 100	ug/Kg	4/4/2014	18:05
Chloroform	< 100	ug/Kg	4/4/2014	18:05
Chloromethane	< 100	ug/Kg	4/4/2014	18:05
cis-1,2-Dichloroethene	< 100	ug/Kg	4/4/2014	18:05
cis-1,3-Dichloropropene	< 100	ug/Kg	4/4/2014	18:05
Cyclohexane	< 501	ug/Kg	4/4/2014	18:05
Dibromochloromethane	< 100	ug/Kg	4/4/2014	18:05
Dichlorodifluoromethane	< 100	ug/Kg	4/4/2014	18:05
Ethylbenzene	< 100	ug/Kg	4/4/2014	18:05
Freon 113	< 100	ug/Kg	4/4/2014	18:05
Isopropylbenzene	< 100	ug/Kg	4/4/2014	18:05
m,p-Xylene	< 100	ug/Kg	4/4/2014	18:05
Methyl acetate	< 100	ug/Kg	4/4/2014	18:05
Methyl tert-butyl Ether	< 100	ug/Kg	4/4/2014	18:05
Methylcyclohexane	< 100	ug/Kg	4/4/2014	18:05
Methylene chloride	< 250	ug/Kg	4/4/2014	18:05
o-Xylene	< 100	ug/Kg	4/4/2014	18:05
Styrene	< 250	ug/Kg	4/4/2014	18:05
Tetrachloroethene	**1510**	ug/Kg	4/4/2014	18:05
Toluene	< 100	ug/Kg	4/4/2014	18:05
trans-1,2-Dichloroethene	< 100	ug/Kg	4/4/2014	18:05
trans-1,3-Dichloropropene	< 100	ug/Kg	4/4/2014	18:05
Trichloroethene	< 100	ug/Kg	4/4/2014	18:05
Trichlorofluoromethane	< 100	ug/Kg	4/4/2014	18:05
Vinyl chloride	< 100	ug/Kg	4/4/2014	18:05

Lab Project ID: 141179

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-16-12-14-033014		
Lab Sample ID:	141179-02	**Date Sampled:**	3/30/2014
Matrix:	Soil	**Date Received:**	4/1/2014

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x12282.D

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: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-18-6-8-033114

Lab Sample ID: 141179-03 **Date Sampled:** 3/31/2014

Matrix: Soil **Date Received:** 4/1/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 7.34	ug/Kg		4/6/2014	16:07
1,1,2,2-Tetrachloroethane	< 7.34	ug/Kg		4/6/2014	16:07
1,1,2-Trichloroethane	< 7.34	ug/Kg		4/6/2014	16:07
1,1-Dichloroethane	< 7.34	ug/Kg		4/6/2014	16:07
1,1-Dichloroethene	< 7.34	ug/Kg		4/6/2014	16:07
1,2,3-Trichlorobenzene	< 18.3	ug/Kg		4/6/2014	16:07
1,2,4-Trichlorobenzene	< 18.3	ug/Kg		4/6/2014	16:07
1,2-Dibromo-3-Chloropropane	< 36.7	ug/Kg		4/6/2014	16:07
1,2-Dibromoethane	< 7.34	ug/Kg		4/6/2014	16:07
1,2-Dichlorobenzene	< 7.34	ug/Kg		4/6/2014	16:07
1,2-Dichloroethane	< 7.34	ug/Kg		4/6/2014	16:07
1,2-Dichloropropane	< 7.34	ug/Kg		4/6/2014	16:07
1,3-Dichlorobenzene	< 7.34	ug/Kg		4/6/2014	16:07
1,4-Dichlorobenzene	< 7.34	ug/Kg		4/6/2014	16:07
1,4-dioxane	< 73.4	ug/Kg		4/6/2014	16:07
2-Butanone	< 36.7	ug/Kg		4/6/2014	16:07
2-Hexanone	< 18.3	ug/Kg		4/6/2014	16:07
4-Methyl-2-pentanone	< 18.3	ug/Kg		4/6/2014	16:07
Acetone	< 36.7	ug/Kg		4/6/2014	16:07
Benzene	< 7.34	ug/Kg		4/6/2014	16:07
Bromochloromethane	< 18.3	ug/Kg		4/6/2014	16:07
Bromodichloromethane	< 7.34	ug/Kg		4/6/2014	16:07
Bromoform	< 18.3	ug/Kg		4/6/2014	16:07
Bromomethane	< 7.34	ug/Kg		4/6/2014	16:07
Carbon disulfide	< 7.34	ug/Kg		4/6/2014	16:07
Carbon Tetrachloride	< 7.34	ug/Kg		4/6/2014	16:07

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-18-6-8-033114

Lab Sample ID: 141179-03 **Date Sampled:** 3/31/2014

Matrix: Soil **Date Received:** 4/1/2014

Chlorobenzene	< 7.34	ug/Kg	4/6/2014	16:07
Chloroethane	< 7.34	ug/Kg	4/6/2014	16:07
Chloroform	< 7.34	ug/Kg	4/6/2014	16:07
Chloromethane	< 7.34	ug/Kg	4/6/2014	16:07
cis-1,2-Dichloroethene	< 7.34	ug/Kg	4/6/2014	16:07
cis-1,3-Dichloropropene	< 7.34	ug/Kg	4/6/2014	16:07
Cyclohexane	< 36.7	ug/Kg	4/6/2014	16:07
Dibromochloromethane	< 7.34	ug/Kg	4/6/2014	16:07
Dichlorodifluoromethane	< 7.34	ug/Kg	4/6/2014	16:07
Ethylbenzene	< 7.34	ug/Kg	4/6/2014	16:07
Freon 113	< 7.34	ug/Kg	4/6/2014	16:07
Isopropylbenzene	< 7.34	ug/Kg	4/6/2014	16:07
m,p-Xylene	< 7.34	ug/Kg	4/6/2014	16:07
Methyl acetate	< 7.34	ug/Kg	4/6/2014	16:07
Methyl tert-butyl Ether	< 7.34	ug/Kg	4/6/2014	16:07
Methylcyclohexane	< 7.34	ug/Kg	4/6/2014	16:07
Methylene chloride	< 18.3	ug/Kg	4/6/2014	16:07
o-Xylene	< 7.34	ug/Kg	4/6/2014	16:07
Styrene	< 18.3	ug/Kg	4/6/2014	16:07
Tetrachloroethene	< 7.34	ug/Kg	4/6/2014	16:07
Toluene	< 7.34	ug/Kg	4/6/2014	16:07
trans-1,2-Dichloroethene	< 7.34	ug/Kg	4/6/2014	16:07
trans-1,3-Dichloropropene	< 7.34	ug/Kg	4/6/2014	16:07
Trichloroethene	< 7.34	ug/Kg	4/6/2014	16:07
Trichlorofluoromethane	< 7.34	ug/Kg	4/6/2014	16:07
Vinyl chloride	< 7.34	ug/Kg	4/6/2014	16:07

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141179

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-18-6-8-033114		
Lab Sample ID:	141179-03	**Date Sampled:**	3/31/2014
Matrix:	Soil	**Date Received:**	4/1/2014

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x12315.D

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: 141179

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier: SP-19-6-8-033114

Lab Sample ID: 141179-04 **Date Sampled:** 3/31/2014

Matrix: Soil **Date Received:** 4/1/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 8.24	ug/Kg		4/6/2014	16:31
1,1,2,2-Tetrachloroethane	< 8.24	ug/Kg		4/6/2014	16:31
1,1,2-Trichloroethane	< 8.24	ug/Kg		4/6/2014	16:31
1,1-Dichloroethane	< 8.24	ug/Kg		4/6/2014	16:31
1,1-Dichloroethene	< 8.24	ug/Kg		4/6/2014	16:31
1,2,3-Trichlorobenzene	< 20.6	ug/Kg		4/6/2014	16:31
1,2,4-Trichlorobenzene	< 20.6	ug/Kg		4/6/2014	16:31
1,2-Dibromo-3-Chloropropane	< 41.2	ug/Kg		4/6/2014	16:31
1,2-Dibromoethane	< 8.24	ug/Kg		4/6/2014	16:31
1,2-Dichlorobenzene	< 8.24	ug/Kg		4/6/2014	16:31
1,2-Dichloroethane	< 8.24	ug/Kg		4/6/2014	16:31
1,2-Dichloropropane	< 8.24	ug/Kg		4/6/2014	16:31
1,3-Dichlorobenzene	< 8.24	ug/Kg		4/6/2014	16:31
1,4-Dichlorobenzene	< 8.24	ug/Kg		4/6/2014	16:31
1,4-dioxane	< 82.4	ug/Kg		4/6/2014	16:31
2-Butanone	< 41.2	ug/Kg		4/6/2014	16:31
2-Hexanone	< 20.6	ug/Kg		4/6/2014	16:31
4-Methyl-2-pentanone	< 20.6	ug/Kg		4/6/2014	16:31
Acetone	**57.1**	ug/Kg		4/6/2014	16:31
Benzene	< 8.24	ug/Kg		4/6/2014	16:31
Bromochloromethane	< 20.6	ug/Kg		4/6/2014	16:31
Bromodichloromethane	< 8.24	ug/Kg		4/6/2014	16:31
Bromoform	< 20.6	ug/Kg		4/6/2014	16:31
Bromomethane	< 8.24	ug/Kg		4/6/2014	16:31
Carbon disulfide	< 8.24	ug/Kg		4/6/2014	16:31
Carbon Tetrachloride	< 8.24	ug/Kg		4/6/2014	16:31

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-19-6-8-033114

Lab Sample ID: 141179-04 **Date Sampled:** 3/31/2014

Matrix: Soil **Date Received:** 4/1/2014

Chlorobenzene	< 8.24	ug/Kg	4/6/2014	16:31
Chloroethane	< 8.24	ug/Kg	4/6/2014	16:31
Chloroform	< 8.24	ug/Kg	4/6/2014	16:31
Chloromethane	< 8.24	ug/Kg	4/6/2014	16:31
cis-1,2-Dichloroethene	< 8.24	ug/Kg	4/6/2014	16:31
cis-1,3-Dichloropropene	< 8.24	ug/Kg	4/6/2014	16:31
Cyclohexane	< 41.2	ug/Kg	4/6/2014	16:31
Dibromochloromethane	< 8.24	ug/Kg	4/6/2014	16:31
Dichlorodifluoromethane	< 8.24	ug/Kg	4/6/2014	16:31
Ethylbenzene	< 8.24	ug/Kg	4/6/2014	16:31
Freon 113	< 8.24	ug/Kg	4/6/2014	16:31
Isopropylbenzene	< 8.24	ug/Kg	4/6/2014	16:31
m,p-Xylene	< 8.24	ug/Kg	4/6/2014	16:31
Methyl acetate	< 8.24	ug/Kg	4/6/2014	16:31
Methyl tert-butyl Ether	< 8.24	ug/Kg	4/6/2014	16:31
Methylcyclohexane	< 8.24	ug/Kg	4/6/2014	16:31
Methylene chloride	< 20.6	ug/Kg	4/6/2014	16:31
o-Xylene	< 8.24	ug/Kg	4/6/2014	16:31
Styrene	< 20.6	ug/Kg	4/6/2014	16:31
Tetrachloroethene	< 8.24	ug/Kg	4/6/2014	16:31
Toluene	< 8.24	ug/Kg	4/6/2014	16:31
trans-1,2-Dichloroethene	< 8.24	ug/Kg	4/6/2014	16:31
trans-1,3-Dichloropropene	< 8.24	ug/Kg	4/6/2014	16:31
Trichloroethene	< 8.24	ug/Kg	4/6/2014	16:31
Trichlorofluoromethane	< 8.24	ug/Kg	4/6/2014	16:31
Vinyl chloride	< 8.24	ug/Kg	4/6/2014	16:31

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141179

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-19-6-8-033114		
Lab Sample ID:	141179-04	**Date Sampled:**	3/31/2014
Matrix:	Soil	**Date Received:**	4/1/2014

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x12316.D

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.

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier:	SP-20-4-6-033114		
Lab Sample ID:	141179-05	**Date Sampled:**	3/31/2014
Matrix:	Soil	**Date Received:**	4/1/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 7.34	ug/Kg		4/6/2014	16:54
1,1,2,2-Tetrachloroethane	< 7.34	ug/Kg		4/6/2014	16:54
1,1,2-Trichloroethane	< 7.34	ug/Kg		4/6/2014	16:54
1,1-Dichloroethane	< 7.34	ug/Kg		4/6/2014	16:54
1,1-Dichloroethene	< 7.34	ug/Kg		4/6/2014	16:54
1,2,3-Trichlorobenzene	< 18.4	ug/Kg		4/6/2014	16:54
1,2,4-Trichlorobenzene	< 18.4	ug/Kg		4/6/2014	16:54
1,2-Dibromo-3-Chloropropane	< 36.7	ug/Kg		4/6/2014	16:54
1,2-Dibromoethane	< 7.34	ug/Kg		4/6/2014	16:54
1,2-Dichlorobenzene	< 7.34	ug/Kg		4/6/2014	16:54
1,2-Dichloroethane	< 7.34	ug/Kg		4/6/2014	16:54
1,2-Dichloropropane	< 7.34	ug/Kg		4/6/2014	16:54
1,3-Dichlorobenzene	< 7.34	ug/Kg		4/6/2014	16:54
1,4-Dichlorobenzene	< 7.34	ug/Kg		4/6/2014	16:54
1,4-dioxane	< 73.4	ug/Kg		4/6/2014	16:54
2-Butanone	**52.5**	ug/Kg		4/6/2014	16:54
2-Hexanone	< 18.4	ug/Kg		4/6/2014	16:54
4-Methyl-2-pentanone	< 18.4	ug/Kg		4/6/2014	16:54
Acetone	**154**	ug/Kg		4/6/2014	16:54
Benzene	< 7.34	ug/Kg		4/6/2014	16:54
Bromochloromethane	< 18.4	ug/Kg		4/6/2014	16:54
Bromodichloromethane	< 7.34	ug/Kg		4/6/2014	16:54
Bromoform	< 18.4	ug/Kg		4/6/2014	16:54
Bromomethane	< 7.34	ug/Kg		4/6/2014	16:54
Carbon disulfide	< 7.34	ug/Kg		4/6/2014	16:54
Carbon Tetrachloride	< 7.34	ug/Kg		4/6/2014	16:54

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-20-4-6-033114

Lab Sample ID: 141179-05 **Date Sampled:** 3/31/2014

Matrix: Soil **Date Received:** 4/1/2014

Chlorobenzene	< 7.34	ug/Kg	4/6/2014	16:54
Chloroethane	< 7.34	ug/Kg	4/6/2014	16:54
Chloroform	< 7.34	ug/Kg	4/6/2014	16:54
Chloromethane	< 7.34	ug/Kg	4/6/2014	16:54
cis-1,2-Dichloroethene	< 7.34	ug/Kg	4/6/2014	16:54
cis-1,3-Dichloropropene	< 7.34	ug/Kg	4/6/2014	16:54
Cyclohexane	< 36.7	ug/Kg	4/6/2014	16:54
Dibromochloromethane	< 7.34	ug/Kg	4/6/2014	16:54
Dichlorodifluoromethane	< 7.34	ug/Kg	4/6/2014	16:54
Ethylbenzene	< 7.34	ug/Kg	4/6/2014	16:54
Freon 113	< 7.34	ug/Kg	4/6/2014	16:54
Isopropylbenzene	< 7.34	ug/Kg	4/6/2014	16:54
m,p-Xylene	< 7.34	ug/Kg	4/6/2014	16:54
Methyl acetate	< 7.34	ug/Kg	4/6/2014	16:54
Methyl tert-butyl Ether	< 7.34	ug/Kg	4/6/2014	16:54
Methylcyclohexane	< 7.34	ug/Kg	4/6/2014	16:54
Methylene chloride	< 18.4	ug/Kg	4/6/2014	16:54
o-Xylene	< 7.34	ug/Kg	4/6/2014	16:54
Styrene	< 18.4	ug/Kg	4/6/2014	16:54
Tetrachloroethene	< 7.34	ug/Kg	4/6/2014	16:54
Toluene	< 7.34	ug/Kg	4/6/2014	16:54
trans-1,2-Dichloroethene	< 7.34	ug/Kg	4/6/2014	16:54
trans-1,3-Dichloropropene	< 7.34	ug/Kg	4/6/2014	16:54
Trichloroethene	< 7.34	ug/Kg	4/6/2014	16:54
Trichlorofluoromethane	< 7.34	ug/Kg	4/6/2014	16:54
Vinyl chloride	< 7.34	ug/Kg	4/6/2014	16:54

Lab Project ID: 141179

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-20-4-6-033114		
Lab Sample ID:	141179-05	**Date Sampled:**	3/31/2014
Matrix:	Soil	**Date Received:**	4/1/2014

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x12317.D

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: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier:	SP-21-4.5-033114		
Lab Sample ID:	141179-06	**Date Sampled:**	3/31/2014
Matrix:	Soil	**Date Received:**	4/1/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 9.32	ug/Kg		4/6/2014	17:18
1,1,2,2-Tetrachloroethane	< 9.32	ug/Kg		4/6/2014	17:18
1,1,2-Trichloroethane	< 9.32	ug/Kg		4/6/2014	17:18
1,1-Dichloroethane	< 9.32	ug/Kg		4/6/2014	17:18
1,1-Dichloroethene	< 9.32	ug/Kg		4/6/2014	17:18
1,2,3-Trichlorobenzene	< 23.3	ug/Kg		4/6/2014	17:18
1,2,4-Trichlorobenzene	< 23.3	ug/Kg		4/6/2014	17:18
1,2-Dibromo-3-Chloropropane	< 46.6	ug/Kg		4/6/2014	17:18
1,2-Dibromoethane	< 9.32	ug/Kg		4/6/2014	17:18
1,2-Dichlorobenzene	< 9.32	ug/Kg		4/6/2014	17:18
1,2-Dichloroethane	< 9.32	ug/Kg		4/6/2014	17:18
1,2-Dichloropropane	< 9.32	ug/Kg		4/6/2014	17:18
1,3-Dichlorobenzene	< 9.32	ug/Kg		4/6/2014	17:18
1,4-Dichlorobenzene	< 9.32	ug/Kg		4/6/2014	17:18
1,4-dioxane	< 93.2	ug/Kg		4/6/2014	17:18
2-Butanone	**142**	ug/Kg		4/6/2014	17:18
2-Hexanone	< 23.3	ug/Kg		4/6/2014	17:18
4-Methyl-2-pentanone	< 23.3	ug/Kg		4/6/2014	17:18
Acetone	**424**	ug/Kg		4/6/2014	17:18
Benzene	< 9.32	ug/Kg		4/6/2014	17:18
Bromochloromethane	< 23.3	ug/Kg		4/6/2014	17:18
Bromodichloromethane	< 9.32	ug/Kg		4/6/2014	17:18
Bromoform	< 23.3	ug/Kg		4/6/2014	17:18
Bromomethane	< 9.32	ug/Kg		4/6/2014	17:18
Carbon disulfide	**65.4**	ug/Kg		4/6/2014	17:18
Carbon Tetrachloride	< 9.32	ug/Kg		4/6/2014	17:18

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-21-4.5-033114
Lab Sample ID: 141179-06 **Date Sampled:** 3/31/2014
Matrix: Soil **Date Received:** 4/1/2014

Chlorobenzene	< 9.32	ug/Kg	4/6/2014	17:18
Chloroethane	< 9.32	ug/Kg	4/6/2014	17:18
Chloroform	< 9.32	ug/Kg	4/6/2014	17:18
Chloromethane	< 9.32	ug/Kg	4/6/2014	17:18
cis-1,2-Dichloroethene	< 9.32	ug/Kg	4/6/2014	17:18
cis-1,3-Dichloropropene	< 9.32	ug/Kg	4/6/2014	17:18
Cyclohexane	< 46.6	ug/Kg	4/6/2014	17:18
Dibromochloromethane	< 9.32	ug/Kg	4/6/2014	17:18
Dichlorodifluoromethane	< 9.32	ug/Kg	4/6/2014	17:18
Ethylbenzene	< 9.32	ug/Kg	4/6/2014	17:18
Freon 113	< 9.32	ug/Kg	4/6/2014	17:18
Isopropylbenzene	< 9.32	ug/Kg	4/6/2014	17:18
m,p-Xylene	< 9.32	ug/Kg	4/6/2014	17:18
Methyl acetate	< 9.32	ug/Kg	4/6/2014	17:18
Methyl tert-butyl Ether	< 9.32	ug/Kg	4/6/2014	17:18
Methylcyclohexane	**11.1**	ug/Kg	4/6/2014	17:18
Methylene chloride	< 23.3	ug/Kg	4/6/2014	17:18
o-Xylene	< 9.32	ug/Kg	4/6/2014	17:18
Styrene	< 23.3	ug/Kg	4/6/2014	17:18
Tetrachloroethene	< 9.32	ug/Kg	4/6/2014	17:18
Toluene	< 9.32	ug/Kg	4/6/2014	17:18
trans-1,2-Dichloroethene	< 9.32	ug/Kg	4/6/2014	17:18
trans-1,3-Dichloropropene	< 9.32	ug/Kg	4/6/2014	17:18
Trichloroethene	< 9.32	ug/Kg	4/6/2014	17:18
Trichlorofluoromethane	< 9.32	ug/Kg	4/6/2014	17:18
Vinyl chloride	< 9.32	ug/Kg	4/6/2014	17:18

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier:	SP-21-4.5-033114		
Lab Sample ID:	141179-06	**Date Sampled:**	3/31/2014
Matrix:	Soil	**Date Received:**	4/1/2014

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x12318.D

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: 141179

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier: SP-22-2-4-033114

Lab Sample ID: 141179-07 **Date Sampled:** 3/31/2014

Matrix: Soil **Date Received:** 4/1/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 9.21	ug/Kg		4/6/2014	17:42
1,1,2,2-Tetrachloroethane	< 9.21	ug/Kg	M	4/6/2014	17:42
1,1,2-Trichloroethane	< 9.21	ug/Kg	M	4/6/2014	17:42
1,1-Dichloroethane	< 9.21	ug/Kg		4/6/2014	17:42
1,1-Dichloroethene	< 9.21	ug/Kg		4/6/2014	17:42
1,2,3-Trichlorobenzene	< 23.0	ug/Kg		4/6/2014	17:42
1,2,4-Trichlorobenzene	< 23.0	ug/Kg		4/6/2014	17:42
1,2-Dibromo-3-Chloropropane	< 46.0	ug/Kg		4/6/2014	17:42
1,2-Dibromoethane	< 9.21	ug/Kg		4/6/2014	17:42
1,2-Dichlorobenzene	< 9.21	ug/Kg	M	4/6/2014	17:42
1,2-Dichloroethane	< 9.21	ug/Kg		4/6/2014	17:42
1,2-Dichloropropane	< 9.21	ug/Kg	M	4/6/2014	17:42
1,3-Dichlorobenzene	< 9.21	ug/Kg	M	4/6/2014	17:42
1,4-Dichlorobenzene	< 9.21	ug/Kg	M	4/6/2014	17:42
1,4-dioxane	< 92.1	ug/Kg		4/6/2014	17:42
2-Butanone	**47.0**	ug/Kg		4/6/2014	17:42
2-Hexanone	< 23.0	ug/Kg		4/6/2014	17:42
4-Methyl-2-pentanone	< 23.0	ug/Kg		4/6/2014	17:42
Acetone	**192**	ug/Kg		4/6/2014	17:42
Benzene	< 9.21	ug/Kg	M	4/6/2014	17:42
Bromochloromethane	< 23.0	ug/Kg		4/6/2014	17:42
Bromodichloromethane	< 9.21	ug/Kg	M	4/6/2014	17:42
Bromoform	< 23.0	ug/Kg	M	4/6/2014	17:42
Bromomethane	< 9.21	ug/Kg		4/6/2014	17:42
Carbon disulfide	< 9.21	ug/Kg		4/6/2014	17:42
Carbon Tetrachloride	< 9.21	ug/Kg		4/6/2014	17:42

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-22-2-4-033114

Lab Sample ID: 141179-07 **Date Sampled:** 3/31/2014

Matrix: Soil **Date Received:** 4/1/2014

Chlorobenzene	< 9.21	ug/Kg	M	4/6/2014	17:42
Chloroethane	< 9.21	ug/Kg	M	4/6/2014	17:42
Chloroform	< 9.21	ug/Kg		4/6/2014	17:42
Chloromethane	< 9.21	ug/Kg		4/6/2014	17:42
cis-1,2-Dichloroethene	< 9.21	ug/Kg		4/6/2014	17:42
cis-1,3-Dichloropropene	< 9.21	ug/Kg	M	4/6/2014	17:42
Cyclohexane	< 46.0	ug/Kg		4/6/2014	17:42
Dibromochloromethane	< 9.21	ug/Kg	M	4/6/2014	17:42
Dichlorodifluoromethane	< 9.21	ug/Kg		4/6/2014	17:42
Ethylbenzene	< 9.21	ug/Kg	M	4/6/2014	17:42
Freon 113	< 9.21	ug/Kg		4/6/2014	17:42
Isopropylbenzene	< 9.21	ug/Kg		4/6/2014	17:42
m,p-Xylene	< 9.21	ug/Kg		4/6/2014	17:42
Methyl acetate	< 9.21	ug/Kg		4/6/2014	17:42
Methyl tert-butyl Ether	< 9.21	ug/Kg		4/6/2014	17:42
Methylcyclohexane	< 9.21	ug/Kg		4/6/2014	17:42
Methylene chloride	< 23.0	ug/Kg		4/6/2014	17:42
o-Xylene	< 9.21	ug/Kg		4/6/2014	17:42
Styrene	< 23.0	ug/Kg		4/6/2014	17:42
Tetrachloroethene	< 9.21	ug/Kg	M	4/6/2014	17:42
Toluene	< 9.21	ug/Kg	M	4/6/2014	17:42
trans-1,2-Dichloroethene	< 9.21	ug/Kg	M	4/6/2014	17:42
trans-1,3-Dichloropropene	< 9.21	ug/Kg	M	4/6/2014	17:42
Trichloroethene	< 9.21	ug/Kg	M	4/6/2014	17:42
Trichlorofluoromethane	< 9.21	ug/Kg		4/6/2014	17:42
Vinyl chloride	< 9.21	ug/Kg		4/6/2014	17:42

Lab Project ID: 141179

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-22-2-4-033114		
Lab Sample ID:	141179-07	**Date Sampled:**	3/31/2014
Matrix:	Soil	**Date Received:**	4/1/2014

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x12319.D

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: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-23-12-14-033114

Lab Sample ID: 141179-08 **Date Sampled:** 3/31/2014

Matrix: Soil **Date Received:** 4/1/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 3180	ug/Kg		4/7/2014	23:40
1,1,2,2-Tetrachloroethane	< 3180	ug/Kg		4/7/2014	23:40
1,1,2-Trichloroethane	< 3180	ug/Kg		4/7/2014	23:40
1,1-Dichloroethane	< 3180	ug/Kg		4/7/2014	23:40
1,1-Dichloroethene	< 3180	ug/Kg		4/7/2014	23:40
1,2,3-Trichlorobenzene	< 7950	ug/Kg		4/7/2014	23:40
1,2,4-Trichlorobenzene	< 7950	ug/Kg		4/7/2014	23:40
1,2-Dibromo-3-Chloropropane	< 15900	ug/Kg		4/7/2014	23:40
1,2-Dibromoethane	< 3180	ug/Kg		4/7/2014	23:40
1,2-Dichlorobenzene	< 3180	ug/Kg		4/7/2014	23:40
1,2-Dichloroethane	< 3180	ug/Kg		4/7/2014	23:40
1,2-Dichloropropane	< 3180	ug/Kg		4/7/2014	23:40
1,3-Dichlorobenzene	< 3180	ug/Kg		4/7/2014	23:40
1,4-Dichlorobenzene	< 3180	ug/Kg		4/7/2014	23:40
1,4-dioxane	< 31800	ug/Kg		4/7/2014	23:40
2-Butanone	< 15900	ug/Kg		4/7/2014	23:40
2-Hexanone	< 7950	ug/Kg		4/7/2014	23:40
4-Methyl-2-pentanone	< 7950	ug/Kg		4/7/2014	23:40
Acetone	< 15900	ug/Kg		4/7/2014	23:40
Benzene	< 3180	ug/Kg		4/7/2014	23:40
Bromochloromethane	< 7950	ug/Kg		4/7/2014	23:40
Bromodichloromethane	< 3180	ug/Kg		4/7/2014	23:40
Bromoform	< 7950	ug/Kg		4/7/2014	23:40
Bromomethane	< 3180	ug/Kg		4/7/2014	23:40
Carbon disulfide	< 3180	ug/Kg		4/7/2014	23:40
Carbon Tetrachloride	< 3180	ug/Kg		4/7/2014	23:40

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-23-12-14-033114

Lab Sample ID: 141179-08 **Date Sampled:** 3/31/2014

Matrix: Soil **Date Received:** 4/1/2014

Chlorobenzene	< 3180	ug/Kg	4/7/2014	23:40
Chloroethane	< 3180	ug/Kg	4/7/2014	23:40
Chloroform	< 3180	ug/Kg	4/7/2014	23:40
Chloromethane	< 3180	ug/Kg	4/7/2014	23:40
cis-1,2-Dichloroethene	< 3180	ug/Kg	4/7/2014	23:40
cis-1,3-Dichloropropene	< 3180	ug/Kg	4/7/2014	23:40
Cyclohexane	< 15900	ug/Kg	4/7/2014	23:40
Dibromochloromethane	< 3180	ug/Kg	4/7/2014	23:40
Dichlorodifluoromethane	< 3180	ug/Kg	4/7/2014	23:40
Ethylbenzene	< 3180	ug/Kg	4/7/2014	23:40
Freon 113	< 3180	ug/Kg	4/7/2014	23:40
Isopropylbenzene	< 3180	ug/Kg	4/7/2014	23:40
m,p-Xylene	< 3180	ug/Kg	4/7/2014	23:40
Methyl acetate	< 3180	ug/Kg	4/7/2014	23:40
Methyl tert-butyl Ether	< 3180	ug/Kg	4/7/2014	23:40
Methylcyclohexane	< 3180	ug/Kg	4/7/2014	23:40
Methylene chloride	< 7950	ug/Kg	4/7/2014	23:40
o-Xylene	< 3180	ug/Kg	4/7/2014	23:40
Styrene	< 7950	ug/Kg	4/7/2014	23:40
Tetrachloroethene	**214000**	ug/Kg	4/7/2014	23:40
Toluene	< 3180	ug/Kg	4/7/2014	23:40
trans-1,2-Dichloroethene	< 3180	ug/Kg	4/7/2014	23:40
trans-1,3-Dichloropropene	< 3180	ug/Kg	4/7/2014	23:40
Trichloroethene	< 3180	ug/Kg	4/7/2014	23:40
Trichlorofluoromethane	< 3180	ug/Kg	4/7/2014	23:40
Vinyl chloride	< 3180	ug/Kg	4/7/2014	23:40

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141179

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-23-12-14-033114		
Lab Sample ID:	141179-08	**Date Sampled:**	3/31/2014
Matrix:	Soil	**Date Received:**	4/1/2014

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x12356.D

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: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-23-18-19-033114

Lab Sample ID: 141179-09 **Date Sampled:** 3/31/2014

Matrix: Soil **Date Received:** 4/1/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 92.6	ug/Kg		4/6/2014	18:29
1,1,2,2-Tetrachloroethane	< 92.6	ug/Kg		4/6/2014	18:29
1,1,2-Trichloroethane	< 92.6	ug/Kg		4/6/2014	18:29
1,1-Dichloroethane	< 92.6	ug/Kg		4/6/2014	18:29
1,1-Dichloroethene	< 92.6	ug/Kg		4/6/2014	18:29
1,2,3-Trichlorobenzene	< 232	ug/Kg		4/6/2014	18:29
1,2,4-Trichlorobenzene	< 232	ug/Kg		4/6/2014	18:29
1,2-Dibromo-3-Chloropropane	< 463	ug/Kg		4/6/2014	18:29
1,2-Dibromoethane	< 92.6	ug/Kg		4/6/2014	18:29
1,2-Dichlorobenzene	< 92.6	ug/Kg		4/6/2014	18:29
1,2-Dichloroethane	< 92.6	ug/Kg		4/6/2014	18:29
1,2-Dichloropropane	< 92.6	ug/Kg		4/6/2014	18:29
1,3-Dichlorobenzene	< 92.6	ug/Kg		4/6/2014	18:29
1,4-Dichlorobenzene	< 92.6	ug/Kg		4/6/2014	18:29
1,4-dioxane	< 926	ug/Kg		4/6/2014	18:29
2-Butanone	< 463	ug/Kg		4/6/2014	18:29
2-Hexanone	< 232	ug/Kg		4/6/2014	18:29
4-Methyl-2-pentanone	< 232	ug/Kg		4/6/2014	18:29
Acetone	< 463	ug/Kg		4/6/2014	18:29
Benzene	< 92.6	ug/Kg		4/6/2014	18:29
Bromochloromethane	< 232	ug/Kg		4/6/2014	18:29
Bromodichloromethane	< 92.6	ug/Kg		4/6/2014	18:29
Bromoform	< 232	ug/Kg		4/6/2014	18:29
Bromomethane	< 92.6	ug/Kg		4/6/2014	18:29
Carbon disulfide	< 92.6	ug/Kg		4/6/2014	18:29
Carbon Tetrachloride	< 92.6	ug/Kg		4/6/2014	18:29

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-23-18-19-033114

Lab Sample ID: 141179-09 **Date Sampled:** 3/31/2014

Matrix: Soil **Date Received:** 4/1/2014

Chlorobenzene	< 92.6	ug/Kg	4/6/2014	18:29
Chloroethane	< 92.6	ug/Kg	4/6/2014	18:29
Chloroform	< 92.6	ug/Kg	4/6/2014	18:29
Chloromethane	< 92.6	ug/Kg	4/6/2014	18:29
cis-1,2-Dichloroethene	< 92.6	ug/Kg	4/6/2014	18:29
cis-1,3-Dichloropropene	< 92.6	ug/Kg	4/6/2014	18:29
Cyclohexane	< 463	ug/Kg	4/6/2014	18:29
Dibromochloromethane	< 92.6	ug/Kg	4/6/2014	18:29
Dichlorodifluoromethane	< 92.6	ug/Kg	4/6/2014	18:29
Ethylbenzene	< 92.6	ug/Kg	4/6/2014	18:29
Freon 113	< 92.6	ug/Kg	4/6/2014	18:29
Isopropylbenzene	< 92.6	ug/Kg	4/6/2014	18:29
m,p-Xylene	< 92.6	ug/Kg	4/6/2014	18:29
Methyl acetate	< 92.6	ug/Kg	4/6/2014	18:29
Methyl tert-butyl Ether	< 92.6	ug/Kg	4/6/2014	18:29
Methylcyclohexane	< 92.6	ug/Kg	4/6/2014	18:29
Methylene chloride	< 232	ug/Kg	4/6/2014	18:29
o-Xylene	< 92.6	ug/Kg	4/6/2014	18:29
Styrene	< 232	ug/Kg	4/6/2014	18:29
Tetrachloroethene	**8720**	ug/Kg	4/6/2014	18:29
Toluene	< 92.6	ug/Kg	4/6/2014	18:29
trans-1,2-Dichloroethene	< 92.6	ug/Kg	4/6/2014	18:29
trans-1,3-Dichloropropene	< 92.6	ug/Kg	4/6/2014	18:29
Trichloroethene	**128**	ug/Kg	4/6/2014	18:29
Trichlorofluoromethane	< 92.6	ug/Kg	4/6/2014	18:29
Vinyl chloride	< 92.6	ug/Kg	4/6/2014	18:29

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141179

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier:	SP-23-18-19-033114		
Lab Sample ID:	141179-09	**Date Sampled:**	3/31/2014
Matrix:	Soil	**Date Received:**	4/1/2014

Method Reference(s): EPA 8260C
EPA 5035A
Data File: x12321.D

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: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier:	SP-24-8-10-033114		
Lab Sample ID:	141179-10	**Date Sampled:**	3/31/2014
Matrix:	Soil	**Date Received:**	4/1/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 6.71	ug/Kg		4/6/2014	18:05
1,1,2,2-Tetrachloroethane	< 6.71	ug/Kg		4/6/2014	18:05
1,1,2-Trichloroethane	< 6.71	ug/Kg		4/6/2014	18:05
1,1-Dichloroethane	< 6.71	ug/Kg		4/6/2014	18:05
1,1-Dichloroethene	< 6.71	ug/Kg		4/6/2014	18:05
1,2,3-Trichlorobenzene	< 16.8	ug/Kg		4/6/2014	18:05
1,2,4-Trichlorobenzene	< 16.8	ug/Kg		4/6/2014	18:05
1,2-Dibromo-3-Chloropropane	< 33.5	ug/Kg		4/6/2014	18:05
1,2-Dibromoethane	< 6.71	ug/Kg		4/6/2014	18:05
1,2-Dichlorobenzene	< 6.71	ug/Kg		4/6/2014	18:05
1,2-Dichloroethane	< 6.71	ug/Kg		4/6/2014	18:05
1,2-Dichloropropane	< 6.71	ug/Kg		4/6/2014	18:05
1,3-Dichlorobenzene	< 6.71	ug/Kg		4/6/2014	18:05
1,4-Dichlorobenzene	< 6.71	ug/Kg		4/6/2014	18:05
1,4-dioxane	< 67.1	ug/Kg		4/6/2014	18:05
2-Butanone	< 33.5	ug/Kg		4/6/2014	18:05
2-Hexanone	< 16.8	ug/Kg		4/6/2014	18:05
4-Methyl-2-pentanone	< 16.8	ug/Kg		4/6/2014	18:05
Acetone	**44.6**	ug/Kg		4/6/2014	18:05
Benzene	< 6.71	ug/Kg		4/6/2014	18:05
Bromochloromethane	< 16.8	ug/Kg		4/6/2014	18:05
Bromodichloromethane	< 6.71	ug/Kg		4/6/2014	18:05
Bromoform	< 16.8	ug/Kg		4/6/2014	18:05
Bromomethane	< 6.71	ug/Kg		4/6/2014	18:05
Carbon disulfide	< 6.71	ug/Kg		4/6/2014	18:05
Carbon Tetrachloride	< 6.71	ug/Kg		4/6/2014	18:05

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141179

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10

Sample Identifier: SP-24-8-10-033114

Lab Sample ID: 141179-10 **Date Sampled:** 3/31/2014

Matrix: Soil **Date Received:** 4/1/2014

Chlorobenzene	< 6.71	ug/Kg	4/6/2014	18:05
Chloroethane	< 6.71	ug/Kg	4/6/2014	18:05
Chloroform	< 6.71	ug/Kg	4/6/2014	18:05
Chloromethane	< 6.71	ug/Kg	4/6/2014	18:05
cis-1,2-Dichloroethene	**223**	ug/Kg	4/6/2014	18:05
cis-1,3-Dichloropropene	< 6.71	ug/Kg	4/6/2014	18:05
Cyclohexane	< 33.5	ug/Kg	4/6/2014	18:05
Dibromochloromethane	< 6.71	ug/Kg	4/6/2014	18:05
Dichlorodifluoromethane	< 6.71	ug/Kg	4/6/2014	18:05
Ethylbenzene	< 6.71	ug/Kg	4/6/2014	18:05
Freon 113	< 6.71	ug/Kg	4/6/2014	18:05
Isopropylbenzene	< 6.71	ug/Kg	4/6/2014	18:05
m,p-Xylene	< 6.71	ug/Kg	4/6/2014	18:05
Methyl acetate	< 6.71	ug/Kg	4/6/2014	18:05
Methyl tert-butyl Ether	< 6.71	ug/Kg	4/6/2014	18:05
Methylcyclohexane	< 6.71	ug/Kg	4/6/2014	18:05
Methylene chloride	< 16.8	ug/Kg	4/6/2014	18:05
o-Xylene	< 6.71	ug/Kg	4/6/2014	18:05
Styrene	< 16.8	ug/Kg	4/6/2014	18:05
Tetrachloroethene	**155**	ug/Kg	4/6/2014	18:05
Toluene	< 6.71	ug/Kg	4/6/2014	18:05
trans-1,2-Dichloroethene	< 6.71	ug/Kg	4/6/2014	18:05
trans-1,3-Dichloropropene	< 6.71	ug/Kg	4/6/2014	18:05
Trichloroethene	**20.4**	ug/Kg	4/6/2014	18:05
Trichlorofluoromethane	< 6.71	ug/Kg	4/6/2014	18:05
Vinyl chloride	**9.23**	ug/Kg	4/6/2014	18:05

Lab Project ID: 141179

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10

Sample Identifier: SP-24-8-10-033114

Lab Sample ID: 141179-10 **Date Sampled:** 3/31/2014

Matrix: Soil **Date Received:** 4/1/2014

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x12320.D

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.

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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.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM

CHAIN OF CUSTODY

1 of 2

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	GZA GeoEnvironmental	CLIENT:		141179
ADDRESS:	535 Washington St.	ADDRESS:		
CITY: STATE: ZIP:	Buffalo, NY 14203 →	CITY: STATE: ZIP:		Quotation #:
PHONE:	716-685-2300	PHONE:		Email: christopher.boron@gza.com
ATTN:	C. Boron	ATTN:		thomas.bohler@gza.com

PROJECT REFERENCE
PER TB KRH 4/1/14
21.0056687.10

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 TCL									REMARKS	PARADIGM LAB SAMPLE NUMBER
1	3/30/14	1030	X		SP-16-10-12-033014	SO	1	X										01
2	↓	1035	X		SP-16-12-14-033014	↓	↓	X										02
3	3/31/14	1315	X		SP-18-6-8-033114			X										03
4		0900	X		SP-19-6-8-033114			X										04
5		0950	X		SP-20-4-6-033114			X										05
6	per	1015		X	SP-21-4.5-033114			X										06
7	sampler	1305	X		SP-22-2-4-033114			X										07
8	by	1410	X		SP-23-12-14-033114			X										08
9	KRH	1435	X		SP-23-18-19-033114			X										09
10	↓ 4/1/14	1530	X		SP-24-8-10-033114			X									4°C iced	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	☒
Rush 2 day	☐	Category B	☐		
Rush 1 day	☐				
Other please indicate:	☐	Other please indicate:	☐	Other EDD please indicate:	☐

Thomas Bohler	3/30/14-3/31/14	
Sampled By	Date/Time	Total Cost:
Thomas Bohler	3/31/14	
Relinquished By	Date/Time	
[signature] Hoff	3/31/14	
Received By	Date/Time	P.I.F.
Kathryn R Hanson	4/1/14 1101	
Received @ Lab By	Date/Time	

PARADIGM

Chain of Custody Supplement

Client:	G2A	**Completed by:**	KRH
Lab Project ID:	141179	**Date:**	4/1/14

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	5035		
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	4°C on ice		
Sufficient Sample Quantity	X		
Comments			

PARADIGM

ENVIRONMENTAL SERVICES, INC.

Analytical Report For

GZA Geo Environmental of New York

For Lab Project ID

141892

Referencing

21.0056687.10 Task 5

Prepared

Tuesday, May 20, 2014

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

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: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-27-8-050814

Lab Sample ID: 141892-01 **Date Sampled:** 5/8/2014

Matrix: Soil **Date Received:** 5/12/2014

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 316	ug/Kg		5/15/2014 06:25
Acenaphthylene	< 316	ug/Kg		5/15/2014 06:25
Anthracene	< 316	ug/Kg		5/15/2014 06:25
Benzo (a) anthracene	< 316	ug/Kg		5/15/2014 06:25
Benzo (a) pyrene	< 316	ug/Kg		5/15/2014 06:25
Benzo (b) fluoranthene	< 316	ug/Kg		5/15/2014 06:25
Benzo (g,h,i) perylene	< 316	ug/Kg		5/15/2014 06:25
Benzo (k) fluoranthene	< 316	ug/Kg		5/15/2014 06:25
Chrysene	< 316	ug/Kg		5/15/2014 06:25
Dibenz (a,h) anthracene	< 316	ug/Kg		5/15/2014 06:25
Fluoranthene	< 316	ug/Kg		5/15/2014 06:25
Fluorene	< 316	ug/Kg		5/15/2014 06:25
Indeno (1,2,3-cd) pyrene	< 316	ug/Kg		5/15/2014 06:25
Naphthalene	< 316	ug/Kg		5/15/2014 06:25
Phenanthrene	< 316	ug/Kg		5/15/2014 06:25
Pyrene	< 316	ug/Kg		5/15/2014 06:25

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S76618.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 5.54	ug/Kg		5/14/2014 16:22
1,1,2,2-Tetrachloroethane	< 5.54	ug/Kg		5/14/2014 16:22
1,1,2-Trichloroethane	< 5.54	ug/Kg		5/14/2014 16:22
1,1-Dichloroethane	< 5.54	ug/Kg		5/14/2014 16:22
1,1-Dichloroethene	< 5.54	ug/Kg		5/14/2014 16:22

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-27-8-050814

Lab Sample ID: 141892-01 **Date Sampled:** 5/8/2014

Matrix: Soil **Date Received:** 5/12/2014

1,2,3-Trichlorobenzene	< 13.9	ug/Kg	5/14/2014	16:22
1,2,4-Trichlorobenzene	< 13.9	ug/Kg	5/14/2014	16:22
1,2-Dibromo-3-Chloropropane	< 27.7	ug/Kg	5/14/2014	16:22
1,2-Dibromoethane	< 5.54	ug/Kg	5/14/2014	16:22
1,2-Dichlorobenzene	< 5.54	ug/Kg	5/14/2014	16:22
1,2-Dichloroethane	< 5.54	ug/Kg	5/14/2014	16:22
1,2-Dichloropropane	< 5.54	ug/Kg	5/14/2014	16:22
1,3-Dichlorobenzene	< 5.54	ug/Kg	5/14/2014	16:22
1,4-Dichlorobenzene	< 5.54	ug/Kg	5/14/2014	16:22
1,4-dioxane	< 55.4	ug/Kg	5/14/2014	16:22
2-Butanone	< 27.7	ug/Kg	5/14/2014	16:22
2-Hexanone	< 13.9	ug/Kg	5/14/2014	16:22
4-Methyl-2-pentanone	< 13.9	ug/Kg	5/14/2014	16:22
Acetone	< 27.7	ug/Kg	5/14/2014	16:22
Benzene	< 5.54	ug/Kg	5/14/2014	16:22
Bromochloromethane	< 13.9	ug/Kg	5/14/2014	16:22
Bromodichloromethane	< 5.54	ug/Kg	5/14/2014	16:22
Bromoform	< 13.9	ug/Kg	5/14/2014	16:22
Bromomethane	< 5.54	ug/Kg	5/14/2014	16:22
Carbon disulfide	< 5.54	ug/Kg	5/14/2014	16:22
Carbon Tetrachloride	< 5.54	ug/Kg	5/14/2014	16:22
Chlorobenzene	< 5.54	ug/Kg	5/14/2014	16:22
Chloroethane	< 5.54	ug/Kg	5/14/2014	16:22
Chloroform	< 5.54	ug/Kg	5/14/2014	16:22
Chloromethane	< 5.54	ug/Kg	5/14/2014	16:22
cis-1,2-Dichloroethene	< 5.54	ug/Kg	5/14/2014	16:22
cis-1,3-Dichloropropene	< 5.54	ug/Kg	5/14/2014	16:22
Cyclohexane	< 27.7	ug/Kg	5/14/2014	16:22

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-27-8-050814

Lab Sample ID: 141892-01 **Date Sampled:** 5/8/2014

Matrix: Soil **Date Received:** 5/12/2014

Dibromochloromethane	< 5.54	ug/Kg	5/14/2014	16:22
Dichlorodifluoromethane	< 5.54	ug/Kg	5/14/2014	16:22
Ethylbenzene	< 5.54	ug/Kg	5/14/2014	16:22
Freon 113	< 5.54	ug/Kg	5/14/2014	16:22
Isopropylbenzene	< 5.54	ug/Kg	5/14/2014	16:22
m,p-Xylene	< 5.54	ug/Kg	5/14/2014	16:22
Methyl acetate	< 5.54	ug/Kg	5/14/2014	16:22
Methyl tert-butyl Ether	< 5.54	ug/Kg	5/14/2014	16:22
Methylcyclohexane	< 5.54	ug/Kg	5/14/2014	16:22
Methylene chloride	< 13.9	ug/Kg	5/14/2014	16:22
o-Xylene	< 5.54	ug/Kg	5/14/2014	16:22
Styrene	< 13.9	ug/Kg	5/14/2014	16:22
Tetrachloroethene	< 5.54	ug/Kg	5/14/2014	16:22
Toluene	< 5.54	ug/Kg	5/14/2014	16:22
trans-1,2-Dichloroethene	< 5.54	ug/Kg	5/14/2014	16:22
trans-1,3-Dichloropropene	< 5.54	ug/Kg	5/14/2014	16:22
Trichloroethene	< 5.54	ug/Kg	5/14/2014	16:22
Trichlorofluoromethane	< 5.54	ug/Kg	5/14/2014	16:22
Vinyl chloride	< 5.54	ug/Kg	5/14/2014	16:22

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x13231.D

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: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier:	SP-28-8-050814		
Lab Sample ID:	141892-02	**Date Sampled:**	5/8/2014
Matrix:	Soil	**Date Received:**	5/12/2014

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed	
Acenaphthene	< 341	ug/Kg		5/15/2014	08:58
Acenaphthylene	< 341	ug/Kg		5/15/2014	08:58
Anthracene	< 341	ug/Kg		5/15/2014	08:58
Benzo (a) anthracene	< 341	ug/Kg		5/15/2014	08:58
Benzo (a) pyrene	< 341	ug/Kg		5/15/2014	08:58
Benzo (b) fluoranthene	< 341	ug/Kg		5/15/2014	08:58
Benzo (g,h,i) perylene	< 341	ug/Kg		5/15/2014	08:58
Benzo (k) fluoranthene	< 341	ug/Kg		5/15/2014	08:58
Chrysene	< 341	ug/Kg		5/15/2014	08:58
Dibenz (a,h) anthracene	< 341	ug/Kg		5/15/2014	08:58
Fluoranthene	< 341	ug/Kg		5/15/2014	08:58
Fluorene	< 341	ug/Kg		5/15/2014	08:58
Indeno (1,2,3-cd) pyrene	< 341	ug/Kg		5/15/2014	08:58
Naphthalene	< 341	ug/Kg		5/15/2014	08:58
Phenanthrene	< 341	ug/Kg		5/15/2014	08:58
Pyrene	< 341	ug/Kg		5/15/2014	08:58

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S76623.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 8.83	ug/Kg		5/14/2014	16:45
1,1,2,2-Tetrachloroethane	< 8.83	ug/Kg		5/14/2014	16:45
1,1,2-Trichloroethane	< 8.83	ug/Kg		5/14/2014	16:45
1,1-Dichloroethane	< 8.83	ug/Kg		5/14/2014	16:45
1,1-Dichloroethene	< 8.83	ug/Kg		5/14/2014	16:45

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-28-8-050814
Lab Sample ID: 141892-02 **Date Sampled:** 5/8/2014
Matrix: Soil **Date Received:** 5/12/2014

1,2,3-Trichlorobenzene	< 22.1	ug/Kg	5/14/2014	16:45
1,2,4-Trichlorobenzene	< 22.1	ug/Kg	5/14/2014	16:45
1,2-Dibromo-3-Chloropropane	< 44.1	ug/Kg	5/14/2014	16:45
1,2-Dibromoethane	< 8.83	ug/Kg	5/14/2014	16:45
1,2-Dichlorobenzene	< 8.83	ug/Kg	5/14/2014	16:45
1,2-Dichloroethane	< 8.83	ug/Kg	5/14/2014	16:45
1,2-Dichloropropane	< 8.83	ug/Kg	5/14/2014	16:45
1,3-Dichlorobenzene	< 8.83	ug/Kg	5/14/2014	16:45
1,4-Dichlorobenzene	< 8.83	ug/Kg	5/14/2014	16:45
1,4-dioxane	< 88.3	ug/Kg	5/14/2014	16:45
2-Butanone	< 44.1	ug/Kg	5/14/2014	16:45
2-Hexanone	< 22.1	ug/Kg	5/14/2014	16:45
4-Methyl-2-pentanone	< 22.1	ug/Kg	5/14/2014	16:45
Acetone	< 44.1	ug/Kg	5/14/2014	16:45
Benzene	< 8.83	ug/Kg	5/14/2014	16:45
Bromochloromethane	< 22.1	ug/Kg	5/14/2014	16:45
Bromodichloromethane	< 8.83	ug/Kg	5/14/2014	16:45
Bromoform	< 22.1	ug/Kg	5/14/2014	16:45
Bromomethane	< 8.83	ug/Kg	5/14/2014	16:45
Carbon disulfide	< 8.83	ug/Kg	5/14/2014	16:45
Carbon Tetrachloride	< 8.83	ug/Kg	5/14/2014	16:45
Chlorobenzene	< 8.83	ug/Kg	5/14/2014	16:45
Chloroethane	< 8.83	ug/Kg	5/14/2014	16:45
Chloroform	< 8.83	ug/Kg	5/14/2014	16:45
Chloromethane	< 8.83	ug/Kg	5/14/2014	16:45
cis-1,2-Dichloroethene	< 8.83	ug/Kg	5/14/2014	16:45
cis-1,3-Dichloropropene	< 8.83	ug/Kg	5/14/2014	16:45
Cyclohexane	< 44.1	ug/Kg	5/14/2014	16:45

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-28-8-050814

Lab Sample ID: 141892-02 **Date Sampled:** 5/8/2014

Matrix: Soil **Date Received:** 5/12/2014

Dibromochloromethane	< 8.83	ug/Kg	5/14/2014	16:45
Dichlorodifluoromethane	< 8.83	ug/Kg	5/14/2014	16:45
Ethylbenzene	< 8.83	ug/Kg	5/14/2014	16:45
Freon 113	< 8.83	ug/Kg	5/14/2014	16:45
Isopropylbenzene	< 8.83	ug/Kg	5/14/2014	16:45
m,p-Xylene	< 8.83	ug/Kg	5/14/2014	16:45
Methyl acetate	< 8.83	ug/Kg	5/14/2014	16:45
Methyl tert-butyl Ether	< 8.83	ug/Kg	5/14/2014	16:45
Methylcyclohexane	< 8.83	ug/Kg	5/14/2014	16:45
Methylene chloride	< 22.1	ug/Kg	5/14/2014	16:45
o-Xylene	< 8.83	ug/Kg	5/14/2014	16:45
Styrene	< 22.1	ug/Kg	5/14/2014	16:45
Tetrachloroethene	< 8.83	ug/Kg	5/14/2014	16:45
Toluene	< 8.83	ug/Kg	5/14/2014	16:45
trans-1,2-Dichloroethene	< 8.83	ug/Kg	5/14/2014	16:45
trans-1,3-Dichloropropene	< 8.83	ug/Kg	5/14/2014	16:45
Trichloroethene	< 8.83	ug/Kg	5/14/2014	16:45
Trichlorofluoromethane	< 8.83	ug/Kg	5/14/2014	16:45
Vinyl chloride	< 8.83	ug/Kg	5/14/2014	16:45

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x13232.D

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: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier:	SP-28-10-050814		
Lab Sample ID:	141892-03	**Date Sampled:**	5/8/2014
Matrix:	Soil	**Date Received:**	5/12/2014

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 318	ug/Kg		5/15/2014 06:55
Acenaphthylene	< 318	ug/Kg		5/15/2014 06:55
Anthracene	< 318	ug/Kg		5/15/2014 06:55
Benzo (a) anthracene	< 318	ug/Kg		5/15/2014 06:55
Benzo (a) pyrene	< 318	ug/Kg		5/15/2014 06:55
Benzo (b) fluoranthene	< 318	ug/Kg		5/15/2014 06:55
Benzo (g,h,i) perylene	< 318	ug/Kg		5/15/2014 06:55
Benzo (k) fluoranthene	< 318	ug/Kg		5/15/2014 06:55
Chrysene	< 318	ug/Kg		5/15/2014 06:55
Dibenz (a,h) anthracene	< 318	ug/Kg		5/15/2014 06:55
Fluoranthene	< 318	ug/Kg		5/15/2014 06:55
Fluorene	< 318	ug/Kg		5/15/2014 06:55
Indeno (1,2,3-cd) pyrene	< 318	ug/Kg		5/15/2014 06:55
Naphthalene	< 318	ug/Kg		5/15/2014 06:55
Phenanthrene	< 318	ug/Kg		5/15/2014 06:55
Pyrene	< 318	ug/Kg		5/15/2014 06:55

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S76619.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.33	ug/Kg		5/14/2014 17:09
1,1,2,2-Tetrachloroethane	< 7.33	ug/Kg		5/14/2014 17:09
1,1,2-Trichloroethane	< 7.33	ug/Kg		5/14/2014 17:09
1,1-Dichloroethane	< 7.33	ug/Kg		5/14/2014 17:09
1,1-Dichloroethene	< 7.33	ug/Kg		5/14/2014 17:09

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-28-10-050814

Lab Sample ID: 141892-03 **Date Sampled:** 5/8/2014

Matrix: Soil **Date Received:** 5/12/2014

1,2,3-Trichlorobenzene	< 18.3	ug/Kg	5/14/2014	17:09
1,2,4-Trichlorobenzene	< 18.3	ug/Kg	5/14/2014	17:09
1,2-Dibromo-3-Chloropropane	< 36.6	ug/Kg	5/14/2014	17:09
1,2-Dibromoethane	< 7.33	ug/Kg	5/14/2014	17:09
1,2-Dichlorobenzene	< 7.33	ug/Kg	5/14/2014	17:09
1,2-Dichloroethane	< 7.33	ug/Kg	5/14/2014	17:09
1,2-Dichloropropane	< 7.33	ug/Kg	5/14/2014	17:09
1,3-Dichlorobenzene	< 7.33	ug/Kg	5/14/2014	17:09
1,4-Dichlorobenzene	< 7.33	ug/Kg	5/14/2014	17:09
1,4-dioxane	< 73.3	ug/Kg	5/14/2014	17:09
2-Butanone	< 36.6	ug/Kg	5/14/2014	17:09
2-Hexanone	< 18.3	ug/Kg	5/14/2014	17:09
4-Methyl-2-pentanone	< 18.3	ug/Kg	5/14/2014	17:09
Acetone	< 36.6	ug/Kg	5/14/2014	17:09
Benzene	< 7.33	ug/Kg	5/14/2014	17:09
Bromochloromethane	< 18.3	ug/Kg	5/14/2014	17:09
Bromodichloromethane	< 7.33	ug/Kg	5/14/2014	17:09
Bromoform	< 18.3	ug/Kg	5/14/2014	17:09
Bromomethane	< 7.33	ug/Kg	5/14/2014	17:09
Carbon disulfide	< 7.33	ug/Kg	5/14/2014	17:09
Carbon Tetrachloride	< 7.33	ug/Kg	5/14/2014	17:09
Chlorobenzene	< 7.33	ug/Kg	5/14/2014	17:09
Chloroethane	< 7.33	ug/Kg	5/14/2014	17:09
Chloroform	< 7.33	ug/Kg	5/14/2014	17:09
Chloromethane	< 7.33	ug/Kg	5/14/2014	17:09
cis-1,2-Dichloroethene	< 7.33	ug/Kg	5/14/2014	17:09
cis-1,3-Dichloropropene	< 7.33	ug/Kg	5/14/2014	17:09
Cyclohexane	< 36.6	ug/Kg	5/14/2014	17:09

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-28-10-050814

Lab Sample ID: 141892-03 **Date Sampled:** 5/8/2014

Matrix: Soil **Date Received:** 5/12/2014

Dibromochloromethane	< 7.33	ug/Kg	5/14/2014	17:09
Dichlorodifluoromethane	< 7.33	ug/Kg	5/14/2014	17:09
Ethylbenzene	< 7.33	ug/Kg	5/14/2014	17:09
Freon 113	< 7.33	ug/Kg	5/14/2014	17:09
Isopropylbenzene	< 7.33	ug/Kg	5/14/2014	17:09
m,p-Xylene	< 7.33	ug/Kg	5/14/2014	17:09
Methyl acetate	< 7.33	ug/Kg	5/14/2014	17:09
Methyl tert-butyl Ether	< 7.33	ug/Kg	5/14/2014	17:09
Methylcyclohexane	< 7.33	ug/Kg	5/14/2014	17:09
Methylene chloride	< 18.3	ug/Kg	5/14/2014	17:09
o-Xylene	< 7.33	ug/Kg	5/14/2014	17:09
Styrene	< 18.3	ug/Kg	5/14/2014	17:09
Tetrachloroethene	< 7.33	ug/Kg	5/14/2014	17:09
Toluene	< 7.33	ug/Kg	5/14/2014	17:09
trans-1,2-Dichloroethene	< 7.33	ug/Kg	5/14/2014	17:09
trans-1,3-Dichloropropene	< 7.33	ug/Kg	5/14/2014	17:09
Trichloroethene	< 7.33	ug/Kg	5/14/2014	17:09
Trichlorofluoromethane	< 7.33	ug/Kg	5/14/2014	17:09
Vinyl chloride	< 7.33	ug/Kg	5/14/2014	17:09

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x13233.D

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: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier:	SP-29-4-050814		
Lab Sample ID:	141892-04	**Date Sampled:**	5/8/2014
Matrix:	Soil	**Date Received:**	5/12/2014

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 341	ug/Kg		5/15/2014 07:26
Acenaphthylene	< 341	ug/Kg		5/15/2014 07:26
Anthracene	< 341	ug/Kg		5/15/2014 07:26
Benzo (a) anthracene	< 341	ug/Kg		5/15/2014 07:26
Benzo (a) pyrene	< 341	ug/Kg		5/15/2014 07:26
Benzo (b) fluoranthene	< 341	ug/Kg		5/15/2014 07:26
Benzo (g,h,i) perylene	< 341	ug/Kg		5/15/2014 07:26
Benzo (k) fluoranthene	< 341	ug/Kg		5/15/2014 07:26
Chrysene	< 341	ug/Kg		5/15/2014 07:26
Dibenz (a,h) anthracene	< 341	ug/Kg		5/15/2014 07:26
Fluoranthene	< 341	ug/Kg		5/15/2014 07:26
Fluorene	< 341	ug/Kg		5/15/2014 07:26
Indeno (1,2,3-cd) pyrene	< 341	ug/Kg		5/15/2014 07:26
Naphthalene	< 341	ug/Kg		5/15/2014 07:26
Phenanthrene	< 341	ug/Kg		5/15/2014 07:26
Pyrene	< 341	ug/Kg		5/15/2014 07:26

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S76620.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.89	ug/Kg		5/14/2014 17:32
1,1,2,2-Tetrachloroethane	< 7.89	ug/Kg		5/14/2014 17:32
1,1,2-Trichloroethane	< 7.89	ug/Kg		5/14/2014 17:32
1,1-Dichloroethane	< 7.89	ug/Kg		5/14/2014 17:32
1,1-Dichloroethene	< 7.89	ug/Kg		5/14/2014 17:32

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-29-4-050814

Lab Sample ID: 141892-04 **Date Sampled:** 5/8/2014

Matrix: Soil **Date Received:** 5/12/2014

1,2,3-Trichlorobenzene	< 19.7	ug/Kg	5/14/2014	17:32
1,2,4-Trichlorobenzene	< 19.7	ug/Kg	5/14/2014	17:32
1,2-Dibromo-3-Chloropropane	< 39.4	ug/Kg	5/14/2014	17:32
1,2-Dibromoethane	< 7.89	ug/Kg	5/14/2014	17:32
1,2-Dichlorobenzene	< 7.89	ug/Kg	5/14/2014	17:32
1,2-Dichloroethane	< 7.89	ug/Kg	5/14/2014	17:32
1,2-Dichloropropane	< 7.89	ug/Kg	5/14/2014	17:32
1,3-Dichlorobenzene	< 7.89	ug/Kg	5/14/2014	17:32
1,4-Dichlorobenzene	< 7.89	ug/Kg	5/14/2014	17:32
1,4-dioxane	< 78.9	ug/Kg	5/14/2014	17:32
2-Butanone	< 39.4	ug/Kg	5/14/2014	17:32
2-Hexanone	< 19.7	ug/Kg	5/14/2014	17:32
4-Methyl-2-pentanone	< 19.7	ug/Kg	5/14/2014	17:32
Acetone	< 39.4	ug/Kg	5/14/2014	17:32
Benzene	< 7.89	ug/Kg	5/14/2014	17:32
Bromochloromethane	< 19.7	ug/Kg	5/14/2014	17:32
Bromodichloromethane	< 7.89	ug/Kg	5/14/2014	17:32
Bromoform	< 19.7	ug/Kg	5/14/2014	17:32
Bromomethane	< 7.89	ug/Kg	5/14/2014	17:32
Carbon disulfide	< 7.89	ug/Kg	5/14/2014	17:32
Carbon Tetrachloride	< 7.89	ug/Kg	5/14/2014	17:32
Chlorobenzene	< 7.89	ug/Kg	5/14/2014	17:32
Chloroethane	< 7.89	ug/Kg	5/14/2014	17:32
Chloroform	< 7.89	ug/Kg	5/14/2014	17:32
Chloromethane	< 7.89	ug/Kg	5/14/2014	17:32
cis-1,2-Dichloroethene	< 7.89	ug/Kg	5/14/2014	17:32
cis-1,3-Dichloropropene	< 7.89	ug/Kg	5/14/2014	17:32
Cyclohexane	< 39.4	ug/Kg	5/14/2014	17:32

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-29-4-050814

Lab Sample ID: 141892-04 **Date Sampled:** 5/8/2014

Matrix: Soil **Date Received:** 5/12/2014

Dibromochloromethane	< 7.89	ug/Kg	5/14/2014	17:32
Dichlorodifluoromethane	< 7.89	ug/Kg	5/14/2014	17:32
Ethylbenzene	< 7.89	ug/Kg	5/14/2014	17:32
Freon 113	< 7.89	ug/Kg	5/14/2014	17:32
Isopropylbenzene	< 7.89	ug/Kg	5/14/2014	17:32
m,p-Xylene	< 7.89	ug/Kg	5/14/2014	17:32
Methyl acetate	< 7.89	ug/Kg	5/14/2014	17:32
Methyl tert-butyl Ether	< 7.89	ug/Kg	5/14/2014	17:32
Methylcyclohexane	< 7.89	ug/Kg	5/14/2014	17:32
Methylene chloride	< 19.7	ug/Kg	5/14/2014	17:32
o-Xylene	< 7.89	ug/Kg	5/14/2014	17:32
Styrene	< 19.7	ug/Kg	5/14/2014	17:32
Tetrachloroethene	< 7.89	ug/Kg	5/14/2014	17:32
Toluene	< 7.89	ug/Kg	5/14/2014	17:32
trans-1,2-Dichloroethene	< 7.89	ug/Kg	5/14/2014	17:32
trans-1,3-Dichloropropene	< 7.89	ug/Kg	5/14/2014	17:32
Trichloroethene	< 7.89	ug/Kg	5/14/2014	17:32
Trichlorofluoromethane	< 7.89	ug/Kg	5/14/2014	17:32
Vinyl chloride	< 7.89	ug/Kg	5/14/2014	17:32

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x13234.D

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: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-33-3.5-050814

Lab Sample ID: 141892-05 **Date Sampled:** 5/8/2014

Matrix: Soil **Date Received:** 5/12/2014

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed	
Acenaphthene	< 3000	ug/Kg		5/15/2014	09:28
Acenaphthylene	< 3000	ug/Kg		5/15/2014	09:28
Anthracene	< 3000	ug/Kg		5/15/2014	09:28
Benzo (a) anthracene	< 3000	ug/Kg		5/15/2014	09:28
Benzo (a) pyrene	< 3000	ug/Kg		5/15/2014	09:28
Benzo (b) fluoranthene	< 3000	ug/Kg		5/15/2014	09:28
Benzo (g,h,i) perylene	< 3000	ug/Kg		5/15/2014	09:28
Benzo (k) fluoranthene	< 3000	ug/Kg		5/15/2014	09:28
Chrysene	< 3000	ug/Kg		5/15/2014	09:28
Dibenz (a,h) anthracene	< 3000	ug/Kg		5/15/2014	09:28
Fluoranthene	< 3000	ug/Kg		5/15/2014	09:28
Fluorene	**3780**	ug/Kg		5/15/2014	09:28
Indeno (1,2,3-cd) pyrene	< 3000	ug/Kg		5/15/2014	09:28
Naphthalene	**8030**	ug/Kg		5/15/2014	09:28
Phenanthrene	**8600**	ug/Kg		5/15/2014	09:28
Pyrene	< 3000	ug/Kg		5/15/2014	09:28

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S76624.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 10.4	ug/Kg		5/14/2014	17:56
1,1,2,2-Tetrachloroethane	< 10.4	ug/Kg		5/14/2014	17:56
1,1,2-Trichloroethane	< 10.4	ug/Kg		5/14/2014	17:56
1,1-Dichloroethane	< 10.4	ug/Kg		5/14/2014	17:56
1,1-Dichloroethene	< 10.4	ug/Kg		5/14/2014	17:56

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-33-3.5-050814

Lab Sample ID: 141892-05 **Date Sampled:** 5/8/2014

Matrix: Soil **Date Received:** 5/12/2014

1,2,3-Trichlorobenzene	< 25.9	ug/Kg	5/14/2014	17:56
1,2,4-Trichlorobenzene	< 25.9	ug/Kg	5/14/2014	17:56
1,2-Dibromo-3-Chloropropane	< 51.8	ug/Kg	5/14/2014	17:56
1,2-Dibromoethane	< 10.4	ug/Kg	5/14/2014	17:56
1,2-Dichlorobenzene	< 10.4	ug/Kg	5/14/2014	17:56
1,2-Dichloroethane	< 10.4	ug/Kg	5/14/2014	17:56
1,2-Dichloropropane	< 10.4	ug/Kg	5/14/2014	17:56
1,3-Dichlorobenzene	< 10.4	ug/Kg	5/14/2014	17:56
1,4-Dichlorobenzene	< 10.4	ug/Kg	5/14/2014	17:56
1,4-dioxane	< 104	ug/Kg	5/14/2014	17:56
2-Butanone	< 51.8	ug/Kg	5/14/2014	17:56
2-Hexanone	< 25.9	ug/Kg	5/14/2014	17:56
4-Methyl-2-pentanone	< 25.9	ug/Kg	5/14/2014	17:56
Acetone	**153**	ug/Kg	5/14/2014	17:56
Benzene	< 10.4	ug/Kg	5/14/2014	17:56
Bromochloromethane	< 25.9	ug/Kg	5/14/2014	17:56
Bromodichloromethane	< 10.4	ug/Kg	5/14/2014	17:56
Bromoform	< 25.9	ug/Kg	5/14/2014	17:56
Bromomethane	< 10.4	ug/Kg	5/14/2014	17:56
Carbon disulfide	**11.9**	ug/Kg	5/14/2014	17:56
Carbon Tetrachloride	< 10.4	ug/Kg	5/14/2014	17:56
Chlorobenzene	< 10.4	ug/Kg	5/14/2014	17:56
Chloroethane	< 10.4	ug/Kg	5/14/2014	17:56
Chloroform	< 10.4	ug/Kg	5/14/2014	17:56
Chloromethane	< 10.4	ug/Kg	5/14/2014	17:56
cis-1,2-Dichloroethene	< 10.4	ug/Kg	5/14/2014	17:56
cis-1,3-Dichloropropene	< 10.4	ug/Kg	5/14/2014	17:56
Cyclohexane	**243**	ug/Kg	5/14/2014	17:56

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-33-3.5-050814
Lab Sample ID: 141892-05 **Date Sampled:** 5/8/2014
Matrix: Soil **Date Received:** 5/12/2014

Dibromochloromethane	< 10.4	ug/Kg	5/14/2014	17:56
Dichlorodifluoromethane	< 10.4	ug/Kg	5/14/2014	17:56
Ethylbenzene	**797**	ug/Kg	5/14/2014	17:56
Freon 113	< 10.4	ug/Kg	5/14/2014	17:56
Isopropylbenzene	**840**	ug/Kg	5/14/2014	17:56
m,p-Xylene	**91.2**	ug/Kg	5/14/2014	17:56
Methyl acetate	< 10.4	ug/Kg	5/14/2014	17:56
Methyl tert-butyl Ether	< 10.4	ug/Kg	5/14/2014	17:56
Methylcyclohexane	**689**	ug/Kg	5/14/2014	17:56
Methylene chloride	< 25.9	ug/Kg	5/14/2014	17:56
o-Xylene	**76.2**	ug/Kg	5/14/2014	17:56
Styrene	< 25.9	ug/Kg	5/14/2014	17:56
Tetrachloroethene	**29.2**	ug/Kg	5/14/2014	17:56
Toluene	**10.8**	ug/Kg	5/14/2014	17:56
trans-1,2-Dichloroethene	< 10.4	ug/Kg	5/14/2014	17:56
trans-1,3-Dichloropropene	< 10.4	ug/Kg	5/14/2014	17:56
Trichloroethene	< 10.4	ug/Kg	5/14/2014	17:56
Trichlorofluoromethane	< 10.4	ug/Kg	5/14/2014	17:56
Vinyl chloride	< 10.4	ug/Kg	5/14/2014	17:56

Method Reference(s): EPA 8260C
EPA 5035A
Data File: x13235.D

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: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-33-6-050814

Lab Sample ID: 141892-06 **Date Sampled:** 5/8/2014

Matrix: Soil **Date Received:** 5/12/2014

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed	
Acenaphthene	< 311	ug/Kg		5/15/2014	07:56
Acenaphthylene	< 311	ug/Kg		5/15/2014	07:56
Anthracene	< 311	ug/Kg		5/15/2014	07:56
Benzo (a) anthracene	< 311	ug/Kg		5/15/2014	07:56
Benzo (a) pyrene	< 311	ug/Kg		5/15/2014	07:56
Benzo (b) fluoranthene	< 311	ug/Kg		5/15/2014	07:56
Benzo (g,h,i) perylene	< 311	ug/Kg		5/15/2014	07:56
Benzo (k) fluoranthene	< 311	ug/Kg		5/15/2014	07:56
Chrysene	< 311	ug/Kg		5/15/2014	07:56
Dibenz (a,h) anthracene	< 311	ug/Kg		5/15/2014	07:56
Fluoranthene	< 311	ug/Kg		5/15/2014	07:56
Fluorene	< 311	ug/Kg		5/15/2014	07:56
Indeno (1,2,3-cd) pyrene	< 311	ug/Kg		5/15/2014	07:56
Naphthalene	< 311	ug/Kg		5/15/2014	07:56
Phenanthrene	< 311	ug/Kg		5/15/2014	07:56
Pyrene	< 311	ug/Kg		5/15/2014	07:56

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S76621.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 6.95	ug/Kg		5/14/2014	18:19
1,1,2,2-Tetrachloroethane	< 6.95	ug/Kg		5/14/2014	18:19
1,1,2-Trichloroethane	< 6.95	ug/Kg		5/14/2014	18:19
1,1-Dichloroethane	< 6.95	ug/Kg		5/14/2014	18:19
1,1-Dichloroethene	< 6.95	ug/Kg		5/14/2014	18:19

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-33-6-050814
Lab Sample ID: 141892-06 **Date Sampled:** 5/8/2014
Matrix: Soil **Date Received:** 5/12/2014

1,2,3-Trichlorobenzene	< 17.4	ug/Kg	5/14/2014	18:19
1,2,4-Trichlorobenzene	< 17.4	ug/Kg	5/14/2014	18:19
1,2-Dibromo-3-Chloropropane	< 34.8	ug/Kg	5/14/2014	18:19
1,2-Dibromoethane	< 6.95	ug/Kg	5/14/2014	18:19
1,2-Dichlorobenzene	< 6.95	ug/Kg	5/14/2014	18:19
1,2-Dichloroethane	< 6.95	ug/Kg	5/14/2014	18:19
1,2-Dichloropropane	< 6.95	ug/Kg	5/14/2014	18:19
1,3-Dichlorobenzene	< 6.95	ug/Kg	5/14/2014	18:19
1,4-Dichlorobenzene	< 6.95	ug/Kg	5/14/2014	18:19
1,4-dioxane	< 69.5	ug/Kg	5/14/2014	18:19
2-Butanone	< 34.8	ug/Kg	5/14/2014	18:19
2-Hexanone	< 17.4	ug/Kg	5/14/2014	18:19
4-Methyl-2-pentanone	< 17.4	ug/Kg	5/14/2014	18:19
Acetone	< 34.8	ug/Kg	5/14/2014	18:19
Benzene	< 6.95	ug/Kg	5/14/2014	18:19
Bromochloromethane	< 17.4	ug/Kg	5/14/2014	18:19
Bromodichloromethane	< 6.95	ug/Kg	5/14/2014	18:19
Bromoform	< 17.4	ug/Kg	5/14/2014	18:19
Bromomethane	< 6.95	ug/Kg	5/14/2014	18:19
Carbon disulfide	< 6.95	ug/Kg	5/14/2014	18:19
Carbon Tetrachloride	< 6.95	ug/Kg	5/14/2014	18:19
Chlorobenzene	< 6.95	ug/Kg	5/14/2014	18:19
Chloroethane	< 6.95	ug/Kg	5/14/2014	18:19
Chloroform	< 6.95	ug/Kg	5/14/2014	18:19
Chloromethane	< 6.95	ug/Kg	5/14/2014	18:19
cis-1,2-Dichloroethene	< 6.95	ug/Kg	5/14/2014	18:19
cis-1,3-Dichloropropene	< 6.95	ug/Kg	5/14/2014	18:19
Cyclohexane	< 34.8	ug/Kg	5/14/2014	18:19

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-33-6-050814

Lab Sample ID: 141892-06 **Date Sampled:** 5/8/2014

Matrix: Soil **Date Received:** 5/12/2014

Dibromochloromethane	< 6.95	ug/Kg	5/14/2014	18:19
Dichlorodifluoromethane	< 6.95	ug/Kg	5/14/2014	18:19
Ethylbenzene	< 6.95	ug/Kg	5/14/2014	18:19
Freon 113	< 6.95	ug/Kg	5/14/2014	18:19
Isopropylbenzene	< 6.95	ug/Kg	5/14/2014	18:19
m,p-Xylene	< 6.95	ug/Kg	5/14/2014	18:19
Methyl acetate	< 6.95	ug/Kg	5/14/2014	18:19
Methyl tert-butyl Ether	< 6.95	ug/Kg	5/14/2014	18:19
Methylcyclohexane	< 6.95	ug/Kg	5/14/2014	18:19
Methylene chloride	< 17.4	ug/Kg	5/14/2014	18:19
o-Xylene	< 6.95	ug/Kg	5/14/2014	18:19
Styrene	< 17.4	ug/Kg	5/14/2014	18:19
Tetrachloroethene	< 6.95	ug/Kg	5/14/2014	18:19
Toluene	< 6.95	ug/Kg	5/14/2014	18:19
trans-1,2-Dichloroethene	< 6.95	ug/Kg	5/14/2014	18:19
trans-1,3-Dichloropropene	< 6.95	ug/Kg	5/14/2014	18:19
Trichloroethene	< 6.95	ug/Kg	5/14/2014	18:19
Trichlorofluoromethane	< 6.95	ug/Kg	5/14/2014	18:19
Vinyl chloride	< 6.95	ug/Kg	5/14/2014	18:19

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x13236.D

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: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier:	SP-36-4-050914		
Lab Sample ID:	141892-07	**Date Sampled:**	5/9/2014
Matrix:	Soil	**Date Received:**	5/12/2014

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed	
Acenaphthene	< 328	ug/Kg		5/15/2014	08:27
Acenaphthylene	< 328	ug/Kg		5/15/2014	08:27
Anthracene	< 328	ug/Kg		5/15/2014	08:27
Benzo (a) anthracene	< 328	ug/Kg		5/15/2014	08:27
Benzo (a) pyrene	< 328	ug/Kg		5/15/2014	08:27
Benzo (b) fluoranthene	< 328	ug/Kg		5/15/2014	08:27
Benzo (g,h,i) perylene	< 328	ug/Kg		5/15/2014	08:27
Benzo (k) fluoranthene	< 328	ug/Kg		5/15/2014	08:27
Chrysene	< 328	ug/Kg		5/15/2014	08:27
Dibenz (a,h) anthracene	< 328	ug/Kg		5/15/2014	08:27
Fluoranthene	< 328	ug/Kg		5/15/2014	08:27
Fluorene	< 328	ug/Kg		5/15/2014	08:27
Indeno (1,2,3-cd) pyrene	< 328	ug/Kg		5/15/2014	08:27
Naphthalene	< 328	ug/Kg		5/15/2014	08:27
Phenanthrene	< 328	ug/Kg		5/15/2014	08:27
Pyrene	< 328	ug/Kg		5/15/2014	08:27

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S76622.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 7.36	ug/Kg		5/14/2014	18:43
1,1,2,2-Tetrachloroethane	< 7.36	ug/Kg		5/14/2014	18:43
1,1,2-Trichloroethane	< 7.36	ug/Kg		5/14/2014	18:43
1,1-Dichloroethane	< 7.36	ug/Kg		5/14/2014	18:43
1,1-Dichloroethene	< 7.36	ug/Kg		5/14/2014	18:43

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-36-4-050914

Lab Sample ID: 141892-07 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

1,2,3-Trichlorobenzene	< 18.4	ug/Kg	5/14/2014	18:43
1,2,4-Trichlorobenzene	< 18.4	ug/Kg	5/14/2014	18:43
1,2-Dibromo-3-Chloropropane	< 36.8	ug/Kg	5/14/2014	18:43
1,2-Dibromoethane	< 7.36	ug/Kg	5/14/2014	18:43
1,2-Dichlorobenzene	< 7.36	ug/Kg	5/14/2014	18:43
1,2-Dichloroethane	< 7.36	ug/Kg	5/14/2014	18:43
1,2-Dichloropropane	< 7.36	ug/Kg	5/14/2014	18:43
1,3-Dichlorobenzene	< 7.36	ug/Kg	5/14/2014	18:43
1,4-Dichlorobenzene	< 7.36	ug/Kg	5/14/2014	18:43
1,4-dioxane	< 73.6	ug/Kg	5/14/2014	18:43
2-Butanone	< 36.8	ug/Kg	5/14/2014	18:43
2-Hexanone	< 18.4	ug/Kg	5/14/2014	18:43
4-Methyl-2-pentanone	< 18.4	ug/Kg	5/14/2014	18:43
Acetone	**96.4**	ug/Kg	5/14/2014	18:43
Benzene	< 7.36	ug/Kg	5/14/2014	18:43
Bromochloromethane	< 18.4	ug/Kg	5/14/2014	18:43
Bromodichloromethane	< 7.36	ug/Kg	5/14/2014	18:43
Bromoform	< 18.4	ug/Kg	5/14/2014	18:43
Bromomethane	< 7.36	ug/Kg	5/14/2014	18:43
Carbon disulfide	< 7.36	ug/Kg	5/14/2014	18:43
Carbon Tetrachloride	< 7.36	ug/Kg	5/14/2014	18:43
Chlorobenzene	< 7.36	ug/Kg	5/14/2014	18:43
Chloroethane	< 7.36	ug/Kg	5/14/2014	18:43
Chloroform	< 7.36	ug/Kg	5/14/2014	18:43
Chloromethane	< 7.36	ug/Kg	5/14/2014	18:43
cis-1,2-Dichloroethene	< 7.36	ug/Kg	5/14/2014	18:43
cis-1,3-Dichloropropene	< 7.36	ug/Kg	5/14/2014	18:43
Cyclohexane	< 36.8	ug/Kg	5/14/2014	18:43

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: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-36-4-050914

Lab Sample ID: 141892-07 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

Dibromochloromethane	< 7.36	ug/Kg	5/14/2014	18:43
Dichlorodifluoromethane	< 7.36	ug/Kg	5/14/2014	18:43
Ethylbenzene	< 7.36	ug/Kg	5/14/2014	18:43
Freon 113	< 7.36	ug/Kg	5/14/2014	18:43
Isopropylbenzene	< 7.36	ug/Kg	5/14/2014	18:43
m,p-Xylene	< 7.36	ug/Kg	5/14/2014	18:43
Methyl acetate	< 7.36	ug/Kg	5/14/2014	18:43
Methyl tert-butyl Ether	< 7.36	ug/Kg	5/14/2014	18:43
Methylcyclohexane	< 7.36	ug/Kg	5/14/2014	18:43
Methylene chloride	< 18.4	ug/Kg	5/14/2014	18:43
o-Xylene	< 7.36	ug/Kg	5/14/2014	18:43
Styrene	< 18.4	ug/Kg	5/14/2014	18:43
Tetrachloroethene	< 7.36	ug/Kg	5/14/2014	18:43
Toluene	< 7.36	ug/Kg	5/14/2014	18:43
trans-1,2-Dichloroethene	< 7.36	ug/Kg	5/14/2014	18:43
trans-1,3-Dichloropropene	< 7.36	ug/Kg	5/14/2014	18:43
Trichloroethene	< 7.36	ug/Kg	5/14/2014	18:43
Trichlorofluoromethane	< 7.36	ug/Kg	5/14/2014	18:43
Vinyl chloride	< 7.36	ug/Kg	5/14/2014	18:43

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x13237.D

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.

Report Prepared Tuesday, May 20, 2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier:	SP-37-11.9-050914		
Lab Sample ID:	141892-08	**Date Sampled:**	5/9/2014
Matrix:	Soil	**Date Received:**	5/12/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2000	ug/Kg		5/15/2014 20:16
1,1,2,2-Tetrachloroethane	< 2000	ug/Kg		5/15/2014 20:16
1,1,2-Trichloroethane	< 2000	ug/Kg		5/15/2014 20:16
1,1-Dichloroethane	< 2000	ug/Kg		5/15/2014 20:16
1,1-Dichloroethene	< 2000	ug/Kg		5/15/2014 20:16
1,2,3-Trichlorobenzene	< 4990	ug/Kg		5/15/2014 20:16
1,2,4-Trichlorobenzene	< 4990	ug/Kg		5/15/2014 20:16
1,2-Dibromo-3-Chloropropane	< 9980	ug/Kg		5/15/2014 20:16
1,2-Dibromoethane	< 2000	ug/Kg		5/15/2014 20:16
1,2-Dichlorobenzene	< 2000	ug/Kg		5/15/2014 20:16
1,2-Dichloroethane	< 2000	ug/Kg		5/15/2014 20:16
1,2-Dichloropropane	< 2000	ug/Kg		5/15/2014 20:16
1,3-Dichlorobenzene	< 2000	ug/Kg		5/15/2014 20:16
1,4-Dichlorobenzene	< 2000	ug/Kg		5/15/2014 20:16
1,4-dioxane	< 20000	ug/Kg		5/15/2014 20:16
2-Butanone	< 9980	ug/Kg		5/15/2014 20:16
2-Hexanone	< 4990	ug/Kg		5/15/2014 20:16
4-Methyl-2-pentanone	< 4990	ug/Kg		5/15/2014 20:16
Acetone	< 9980	ug/Kg		5/15/2014 20:16
Benzene	< 2000	ug/Kg		5/15/2014 20:16
Bromochloromethane	< 4990	ug/Kg		5/15/2014 20:16
Bromodichloromethane	< 2000	ug/Kg		5/15/2014 20:16
Bromoform	< 4990	ug/Kg		5/15/2014 20:16
Bromomethane	< 2000	ug/Kg		5/15/2014 20:16
Carbon disulfide	< 2000	ug/Kg		5/15/2014 20:16
Carbon Tetrachloride	< 2000	ug/Kg		5/15/2014 20:16

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: <u>**GZA Geo Environmental of New York**</u>

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-37-11.9-050914

Lab Sample ID: 141892-08 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

Chlorobenzene	< 2000	ug/Kg	5/15/2014	20:16
Chloroethane	< 2000	ug/Kg	5/15/2014	20:16
Chloroform	< 2000	ug/Kg	5/15/2014	20:16
Chloromethane	< 2000	ug/Kg	5/15/2014	20:16
cis-1,2-Dichloroethene	< 2000	ug/Kg	5/15/2014	20:16
cis-1,3-Dichloropropene	< 2000	ug/Kg	5/15/2014	20:16
Cyclohexane	< 9980	ug/Kg	5/15/2014	20:16
Dibromochloromethane	< 2000	ug/Kg	5/15/2014	20:16
Dichlorodifluoromethane	< 2000	ug/Kg	5/15/2014	20:16
Ethylbenzene	< 2000	ug/Kg	5/15/2014	20:16
Freon 113	< 2000	ug/Kg	5/15/2014	20:16
Isopropylbenzene	< 2000	ug/Kg	5/15/2014	20:16
m,p-Xylene	< 2000	ug/Kg	5/15/2014	20:16
Methyl acetate	< 2000	ug/Kg	5/15/2014	20:16
Methyl tert-butyl Ether	< 2000	ug/Kg	5/15/2014	20:16
Methylcyclohexane	< 2000	ug/Kg	5/15/2014	20:16
Methylene chloride	< 4990	ug/Kg	5/15/2014	20:16
o-Xylene	< 2000	ug/Kg	5/15/2014	20:16
Styrene	< 4990	ug/Kg	5/15/2014	20:16
Tetrachloroethene	**137000**	ug/Kg	5/15/2014	20:16
Toluene	< 2000	ug/Kg	5/15/2014	20:16
trans-1,2-Dichloroethene	< 2000	ug/Kg	5/15/2014	20:16
trans-1,3-Dichloropropene	< 2000	ug/Kg	5/15/2014	20:16
Trichloroethene	< 2000	ug/Kg	5/15/2014	20:16
Trichlorofluoromethane	< 2000	ug/Kg	5/15/2014	20:16
Vinyl chloride	< 2000	ug/Kg	5/15/2014	20:16

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 Task 5

Sample Identifier:	SP-37-11.9-050914		
Lab Sample ID:	141892-08	**Date Sampled:**	5/9/2014
Matrix:	Soil	**Date Received:**	5/12/2014

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x13301.D

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: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-37-1-050914

Lab Sample ID: 141892-09 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 85.2	ug/Kg		5/16/2014	13:46
1,1,2,2-Tetrachloroethane	< 85.2	ug/Kg		5/16/2014	13:46
1,1,2-Trichloroethane	< 85.2	ug/Kg		5/16/2014	13:46
1,1-Dichloroethane	< 85.2	ug/Kg		5/16/2014	13:46
1,1-Dichloroethene	< 85.2	ug/Kg		5/16/2014	13:46
1,2,3-Trichlorobenzene	< 213	ug/Kg		5/16/2014	13:46
1,2,4-Trichlorobenzene	< 213	ug/Kg		5/16/2014	13:46
1,2-Dibromo-3-Chloropropane	< 426	ug/Kg		5/16/2014	13:46
1,2-Dibromoethane	< 85.2	ug/Kg		5/16/2014	13:46
1,2-Dichlorobenzene	< 85.2	ug/Kg		5/16/2014	13:46
1,2-Dichloroethane	< 85.2	ug/Kg		5/16/2014	13:46
1,2-Dichloropropane	< 85.2	ug/Kg		5/16/2014	13:46
1,3-Dichlorobenzene	< 85.2	ug/Kg		5/16/2014	13:46
1,4-Dichlorobenzene	< 85.2	ug/Kg		5/16/2014	13:46
1,4-dioxane	< 852	ug/Kg		5/16/2014	13:46
2-Butanone	< 426	ug/Kg		5/16/2014	13:46
2-Hexanone	< 213	ug/Kg		5/16/2014	13:46
4-Methyl-2-pentanone	< 213	ug/Kg		5/16/2014	13:46
Acetone	< 426	ug/Kg		5/16/2014	13:46
Benzene	< 85.2	ug/Kg		5/16/2014	13:46
Bromochloromethane	< 213	ug/Kg		5/16/2014	13:46
Bromodichloromethane	< 85.2	ug/Kg		5/16/2014	13:46
Bromoform	< 213	ug/Kg		5/16/2014	13:46
Bromomethane	< 85.2	ug/Kg		5/16/2014	13:46
Carbon disulfide	< 85.2	ug/Kg		5/16/2014	13:46
Carbon Tetrachloride	< 85.2	ug/Kg		5/16/2014	13:46

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-37-1-050914

Lab Sample ID: 141892-09 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

Chlorobenzene	< 85.2	ug/Kg		5/16/2014	13:46
Chloroethane	< 85.2	ug/Kg		5/16/2014	13:46
Chloroform	< 85.2	ug/Kg		5/16/2014	13:46
Chloromethane	< 85.2	ug/Kg		5/16/2014	13:46
cis-1,2-Dichloroethene	**343**	ug/Kg		5/16/2014	13:46
cis-1,3-Dichloropropene	< 85.2	ug/Kg		5/16/2014	13:46
Cyclohexane	< 426	ug/Kg		5/16/2014	13:46
Dibromochloromethane	< 85.2	ug/Kg		5/16/2014	13:46
Dichlorodifluoromethane	< 85.2	ug/Kg		5/16/2014	13:46
Ethylbenzene	< 85.2	ug/Kg		5/16/2014	13:46
Freon 113	< 85.2	ug/Kg		5/16/2014	13:46
Isopropylbenzene	< 85.2	ug/Kg		5/16/2014	13:46
m,p-Xylene	< 85.2	ug/Kg		5/16/2014	13:46
Methyl acetate	< 85.2	ug/Kg		5/16/2014	13:46
Methyl tert-butyl Ether	< 85.2	ug/Kg		5/16/2014	13:46
Methylcyclohexane	< 85.2	ug/Kg		5/16/2014	13:46
Methylene chloride	< 213	ug/Kg		5/16/2014	13:46
o-Xylene	< 85.2	ug/Kg		5/16/2014	13:46
Styrene	< 213	ug/Kg		5/16/2014	13:46
Tetrachloroethene	**5280**	ug/Kg		5/16/2014	13:46
Toluene	< 85.2	ug/Kg		5/16/2014	13:46
trans-1,2-Dichloroethene	< 85.2	ug/Kg		5/16/2014	13:46
trans-1,3-Dichloropropene	< 85.2	ug/Kg		5/16/2014	13:46
Trichloroethene	**870**	ug/Kg		5/16/2014	13:46
Trichlorofluoromethane	< 85.2	ug/Kg		5/16/2014	13:46
Vinyl chloride	< 85.2	ug/Kg		5/16/2014	13:46

Lab Project ID: 141892

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 Task 5

Sample Identifier:	SP-37-1-050914		
Lab Sample ID:	141892-09	**Date Sampled:**	5/9/2014
Matrix:	Soil	**Date Received:**	5/12/2014

Method Reference(s): EPA 8260C
EPA 5035A
Data File: x13320.D

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: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-38-5-050914

Lab Sample ID: 141892-10 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed	
Acenaphthene	< 310	ug/Kg		5/15/2014	09:59
Acenaphthylene	< 310	ug/Kg		5/15/2014	09:59
Anthracene	< 310	ug/Kg		5/15/2014	09:59
Benzo (a) anthracene	< 310	ug/Kg		5/15/2014	09:59
Benzo (a) pyrene	< 310	ug/Kg		5/15/2014	09:59
Benzo (b) fluoranthene	< 310	ug/Kg		5/15/2014	09:59
Benzo (g,h,i) perylene	< 310	ug/Kg		5/15/2014	09:59
Benzo (k) fluoranthene	< 310	ug/Kg		5/15/2014	09:59
Chrysene	< 310	ug/Kg		5/15/2014	09:59
Dibenz (a,h) anthracene	< 310	ug/Kg		5/15/2014	09:59
Fluoranthene	< 310	ug/Kg		5/15/2014	09:59
Fluorene	< 310	ug/Kg		5/15/2014	09:59
Indeno (1,2,3-cd) pyrene	< 310	ug/Kg		5/15/2014	09:59
Naphthalene	< 310	ug/Kg		5/15/2014	09:59
Phenanthrene	< 310	ug/Kg		5/15/2014	09:59
Pyrene	< 310	ug/Kg		5/15/2014	09:59

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S76625.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 7.92	ug/Kg		5/15/2014	10:51
1,1,2,2-Tetrachloroethane	< 7.92	ug/Kg		5/15/2014	10:51
1,1,2-Trichloroethane	< 7.92	ug/Kg		5/15/2014	10:51
1,1-Dichloroethane	< 7.92	ug/Kg		5/15/2014	10:51
1,1-Dichloroethene	< 7.92	ug/Kg		5/15/2014	10:51

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-38-5-050914

Lab Sample ID: 141892-10 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

1,2,3-Trichlorobenzene	< 19.8	ug/Kg	5/15/2014	10:51
1,2,4-Trichlorobenzene	< 19.8	ug/Kg	5/15/2014	10:51
1,2-Dibromo-3-Chloropropane	< 39.6	ug/Kg	5/15/2014	10:51
1,2-Dibromoethane	< 7.92	ug/Kg	5/15/2014	10:51
1,2-Dichlorobenzene	< 7.92	ug/Kg	5/15/2014	10:51
1,2-Dichloroethane	< 7.92	ug/Kg	5/15/2014	10:51
1,2-Dichloropropane	< 7.92	ug/Kg	5/15/2014	10:51
1,3-Dichlorobenzene	< 7.92	ug/Kg	5/15/2014	10:51
1,4-Dichlorobenzene	< 7.92	ug/Kg	5/15/2014	10:51
1,4-dioxane	< 79.2	ug/Kg	5/15/2014	10:51
2-Butanone	< 39.6	ug/Kg	5/15/2014	10:51
2-Hexanone	< 19.8	ug/Kg	5/15/2014	10:51
4-Methyl-2-pentanone	< 19.8	ug/Kg	5/15/2014	10:51
Acetone	< 39.6	ug/Kg	5/15/2014	10:51
Benzene	< 7.92	ug/Kg	5/15/2014	10:51
Bromochloromethane	< 19.8	ug/Kg	5/15/2014	10:51
Bromodichloromethane	< 7.92	ug/Kg	5/15/2014	10:51
Bromoform	< 19.8	ug/Kg	5/15/2014	10:51
Bromomethane	< 7.92	ug/Kg	5/15/2014	10:51
Carbon disulfide	< 7.92	ug/Kg	5/15/2014	10:51
Carbon Tetrachloride	< 7.92	ug/Kg	5/15/2014	10:51
Chlorobenzene	< 7.92	ug/Kg	5/15/2014	10:51
Chloroethane	< 7.92	ug/Kg	5/15/2014	10:51
Chloroform	< 7.92	ug/Kg	5/15/2014	10:51
Chloromethane	< 7.92	ug/Kg	5/15/2014	10:51
cis-1,2-Dichloroethene	< 7.92	ug/Kg	5/15/2014	10:51
cis-1,3-Dichloropropene	< 7.92	ug/Kg	5/15/2014	10:51
Cyclohexane	< 39.6	ug/Kg	5/15/2014	10:51

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-38-5-050914

Lab Sample ID: 141892-10 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

Dibromochloromethane	< 7.92	ug/Kg	5/15/2014	10:51
Dichlorodifluoromethane	< 7.92	ug/Kg	5/15/2014	10:51
Ethylbenzene	< 7.92	ug/Kg	5/15/2014	10:51
Freon 113	< 7.92	ug/Kg	5/15/2014	10:51
Isopropylbenzene	< 7.92	ug/Kg	5/15/2014	10:51
m,p-Xylene	< 7.92	ug/Kg	5/15/2014	10:51
Methyl acetate	< 7.92	ug/Kg	5/15/2014	10:51
Methyl tert-butyl Ether	< 7.92	ug/Kg	5/15/2014	10:51
Methylcyclohexane	< 7.92	ug/Kg	5/15/2014	10:51
Methylene chloride	< 19.8	ug/Kg	5/15/2014	10:51
o-Xylene	< 7.92	ug/Kg	5/15/2014	10:51
Styrene	< 19.8	ug/Kg	5/15/2014	10:51
Tetrachloroethene	< 7.92	ug/Kg	5/15/2014	10:51
Toluene	< 7.92	ug/Kg	5/15/2014	10:51
trans-1,2-Dichloroethene	< 7.92	ug/Kg	5/15/2014	10:51
trans-1,3-Dichloropropene	< 7.92	ug/Kg	5/15/2014	10:51
Trichloroethene	< 7.92	ug/Kg	5/15/2014	10:51
Trichlorofluoromethane	< 7.92	ug/Kg	5/15/2014	10:51
Vinyl chloride	< 7.92	ug/Kg	5/15/2014	10:51

Method Reference(s): EPA 8260C
EPA 5035A

Data File: X13278.D

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: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier:	SP-39-4-050914		
Lab Sample ID:	141892-11	**Date Sampled:**	5/9/2014
Matrix:	Soil	**Date Received:**	5/12/2014

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 321	ug/Kg		5/17/2014 03:31
Acenaphthylene	< 321	ug/Kg		5/17/2014 03:31
Anthracene	< 321	ug/Kg		5/17/2014 03:31
Benzo (a) anthracene	< 321	ug/Kg		5/17/2014 03:31
Benzo (a) pyrene	< 321	ug/Kg		5/17/2014 03:31
Benzo (b) fluoranthene	< 321	ug/Kg		5/17/2014 03:31
Benzo (g,h,i) perylene	< 321	ug/Kg		5/17/2014 03:31
Benzo (k) fluoranthene	< 321	ug/Kg		5/17/2014 03:31
Chrysene	< 321	ug/Kg		5/17/2014 03:31
Dibenz (a,h) anthracene	< 321	ug/Kg		5/17/2014 03:31
Fluoranthene	< 321	ug/Kg		5/17/2014 03:31
Fluorene	< 321	ug/Kg		5/17/2014 03:31
Indeno (1,2,3-cd) pyrene	< 321	ug/Kg		5/17/2014 03:31
Naphthalene	< 321	ug/Kg		5/17/2014 03:31
Phenanthrene	< 321	ug/Kg		5/17/2014 03:31
Pyrene	< 321	ug/Kg		5/17/2014 03:31

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S76688.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.15	ug/Kg		5/15/2014 11:14
1,1,2,2-Tetrachloroethane	< 7.15	ug/Kg		5/15/2014 11:14
1,1,2-Trichloroethane	< 7.15	ug/Kg		5/15/2014 11:14
1,1-Dichloroethane	< 7.15	ug/Kg		5/15/2014 11:14
1,1-Dichloroethene	< 7.15	ug/Kg		5/15/2014 11:14

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-39-4-050914

Lab Sample ID: 141892-11 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

1,2,3-Trichlorobenzene	< 17.9	ug/Kg	5/15/2014	11:14
1,2,4-Trichlorobenzene	< 17.9	ug/Kg	5/15/2014	11:14
1,2-Dibromo-3-Chloropropane	< 35.7	ug/Kg	5/15/2014	11:14
1,2-Dibromoethane	< 7.15	ug/Kg	5/15/2014	11:14
1,2-Dichlorobenzene	< 7.15	ug/Kg	5/15/2014	11:14
1,2-Dichloroethane	< 7.15	ug/Kg	5/15/2014	11:14
1,2-Dichloropropane	< 7.15	ug/Kg	5/15/2014	11:14
1,3-Dichlorobenzene	< 7.15	ug/Kg	5/15/2014	11:14
1,4-Dichlorobenzene	< 7.15	ug/Kg	5/15/2014	11:14
1,4-dioxane	< 71.5	ug/Kg	5/15/2014	11:14
2-Butanone	< 35.7	ug/Kg	5/15/2014	11:14
2-Hexanone	< 17.9	ug/Kg	5/15/2014	11:14
4-Methyl-2-pentanone	< 17.9	ug/Kg	5/15/2014	11:14
Acetone	< 35.7	ug/Kg	5/15/2014	11:14
Benzene	< 7.15	ug/Kg	5/15/2014	11:14
Bromochloromethane	< 17.9	ug/Kg	5/15/2014	11:14
Bromodichloromethane	< 7.15	ug/Kg	5/15/2014	11:14
Bromoform	< 17.9	ug/Kg	5/15/2014	11:14
Bromomethane	< 7.15	ug/Kg	5/15/2014	11:14
Carbon disulfide	< 7.15	ug/Kg	5/15/2014	11:14
Carbon Tetrachloride	< 7.15	ug/Kg	5/15/2014	11:14
Chlorobenzene	< 7.15	ug/Kg	5/15/2014	11:14
Chloroethane	< 7.15	ug/Kg	5/15/2014	11:14
Chloroform	< 7.15	ug/Kg	5/15/2014	11:14
Chloromethane	< 7.15	ug/Kg	5/15/2014	11:14
cis-1,2-Dichloroethene	< 7.15	ug/Kg	5/15/2014	11:14
cis-1,3-Dichloropropene	< 7.15	ug/Kg	5/15/2014	11:14
Cyclohexane	< 35.7	ug/Kg	5/15/2014	11:14

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-39-4-050914

Lab Sample ID: 141892-11 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

Dibromochloromethane	< 7.15	ug/Kg	5/15/2014	11:14
Dichlorodifluoromethane	< 7.15	ug/Kg	5/15/2014	11:14
Ethylbenzene	< 7.15	ug/Kg	5/15/2014	11:14
Freon 113	< 7.15	ug/Kg	5/15/2014	11:14
Isopropylbenzene	< 7.15	ug/Kg	5/15/2014	11:14
m,p-Xylene	< 7.15	ug/Kg	5/15/2014	11:14
Methyl acetate	< 7.15	ug/Kg	5/15/2014	11:14
Methyl tert-butyl Ether	< 7.15	ug/Kg	5/15/2014	11:14
Methylcyclohexane	< 7.15	ug/Kg	5/15/2014	11:14
Methylene chloride	< 17.9	ug/Kg	5/15/2014	11:14
o-Xylene	< 7.15	ug/Kg	5/15/2014	11:14
Styrene	< 17.9	ug/Kg	5/15/2014	11:14
Tetrachloroethene	< 7.15	ug/Kg	5/15/2014	11:14
Toluene	< 7.15	ug/Kg	5/15/2014	11:14
trans-1,2-Dichloroethene	< 7.15	ug/Kg	5/15/2014	11:14
trans-1,3-Dichloropropene	< 7.15	ug/Kg	5/15/2014	11:14
Trichloroethene	< 7.15	ug/Kg	5/15/2014	11:14
Trichlorofluoromethane	< 7.15	ug/Kg	5/15/2014	11:14
Vinyl chloride	< 7.15	ug/Kg	5/15/2014	11:14

Method Reference(s): EPA 8260C
EPA 5035A
Data File: X13279.D

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: 141892

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 Task 5

Sample Identifier:	SP-39-5-050914		
Lab Sample ID:	141892-12	**Date Sampled:**	5/9/2014
Matrix:	Soil	**Date Received:**	5/12/2014

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 311	ug/Kg		5/17/2014 04:01
Acenaphthylene	< 311	ug/Kg		5/17/2014 04:01
Anthracene	< 311	ug/Kg		5/17/2014 04:01
Benzo (a) anthracene	< 311	ug/Kg		5/17/2014 04:01
Benzo (a) pyrene	< 311	ug/Kg		5/17/2014 04:01
Benzo (b) fluoranthene	< 311	ug/Kg		5/17/2014 04:01
Benzo (g,h,i) perylene	< 311	ug/Kg		5/17/2014 04:01
Benzo (k) fluoranthene	< 311	ug/Kg		5/17/2014 04:01
Chrysene	< 311	ug/Kg		5/17/2014 04:01
Dibenz (a,h) anthracene	< 311	ug/Kg		5/17/2014 04:01
Fluoranthene	< 311	ug/Kg		5/17/2014 04:01
Fluorene	< 311	ug/Kg		5/17/2014 04:01
Indeno (1,2,3-cd) pyrene	< 311	ug/Kg		5/17/2014 04:01
Naphthalene	< 311	ug/Kg		5/17/2014 04:01
Phenanthrene	< 311	ug/Kg		5/17/2014 04:01
Pyrene	< 311	ug/Kg		5/17/2014 04:01

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S76689.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 8.23	ug/Kg		5/15/2014 17:56
1,1,2,2-Tetrachloroethane	< 8.23	ug/Kg		5/15/2014 17:56
1,1,2-Trichloroethane	< 8.23	ug/Kg		5/15/2014 17:56
1,1-Dichloroethane	< 8.23	ug/Kg		5/15/2014 17:56
1,1-Dichloroethene	< 8.23	ug/Kg		5/15/2014 17:56

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-39-5-050914

Lab Sample ID: 141892-12 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

1,2,3-Trichlorobenzene	< 20.6	ug/Kg	5/15/2014	17:56
1,2,4-Trichlorobenzene	< 20.6	ug/Kg	5/15/2014	17:56
1,2-Dibromo-3-Chloropropane	< 41.1	ug/Kg	5/15/2014	17:56
1,2-Dibromoethane	< 8.23	ug/Kg	5/15/2014	17:56
1,2-Dichlorobenzene	< 8.23	ug/Kg	5/15/2014	17:56
1,2-Dichloroethane	< 8.23	ug/Kg	5/15/2014	17:56
1,2-Dichloropropane	< 8.23	ug/Kg	5/15/2014	17:56
1,3-Dichlorobenzene	< 8.23	ug/Kg	5/15/2014	17:56
1,4-Dichlorobenzene	< 8.23	ug/Kg	5/15/2014	17:56
1,4-dioxane	< 82.3	ug/Kg	5/15/2014	17:56
2-Butanone	< 41.1	ug/Kg	5/15/2014	17:56
2-Hexanone	< 20.6	ug/Kg	5/15/2014	17:56
4-Methyl-2-pentanone	< 20.6	ug/Kg	5/15/2014	17:56
Acetone	< 41.1	ug/Kg	5/15/2014	17:56
Benzene	< 8.23	ug/Kg	5/15/2014	17:56
Bromochloromethane	< 20.6	ug/Kg	5/15/2014	17:56
Bromodichloromethane	< 8.23	ug/Kg	5/15/2014	17:56
Bromoform	< 20.6	ug/Kg	5/15/2014	17:56
Bromomethane	< 8.23	ug/Kg	5/15/2014	17:56
Carbon disulfide	< 8.23	ug/Kg	5/15/2014	17:56
Carbon Tetrachloride	< 8.23	ug/Kg	5/15/2014	17:56
Chlorobenzene	< 8.23	ug/Kg	5/15/2014	17:56
Chloroethane	< 8.23	ug/Kg	5/15/2014	17:56
Chloroform	< 8.23	ug/Kg	5/15/2014	17:56
Chloromethane	< 8.23	ug/Kg	5/15/2014	17:56
cis-1,2-Dichloroethene	< 8.23	ug/Kg	5/15/2014	17:56
cis-1,3-Dichloropropene	< 8.23	ug/Kg	5/15/2014	17:56
Cyclohexane	< 41.1	ug/Kg	5/15/2014	17:56

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.

Lab Project ID: 141892

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-39-5-050914

Lab Sample ID: 141892-12 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

Dibromochloromethane	< 8.23	ug/Kg	5/15/2014	17:56
Dichlorodifluoromethane	< 8.23	ug/Kg	5/15/2014	17:56
Ethylbenzene	< 8.23	ug/Kg	5/15/2014	17:56
Freon 113	< 8.23	ug/Kg	5/15/2014	17:56
Isopropylbenzene	< 8.23	ug/Kg	5/15/2014	17:56
m,p-Xylene	< 8.23	ug/Kg	5/15/2014	17:56
Methyl acetate	< 8.23	ug/Kg	5/15/2014	17:56
Methyl tert-butyl Ether	< 8.23	ug/Kg	5/15/2014	17:56
Methylcyclohexane	< 8.23	ug/Kg	5/15/2014	17:56
Methylene chloride	< 20.6	ug/Kg	5/15/2014	17:56
o-Xylene	< 8.23	ug/Kg	5/15/2014	17:56
Styrene	< 20.6	ug/Kg	5/15/2014	17:56
Tetrachloroethene	< 8.23	ug/Kg	5/15/2014	17:56
Toluene	< 8.23	ug/Kg	5/15/2014	17:56
trans-1,2-Dichloroethene	< 8.23	ug/Kg	5/15/2014	17:56
trans-1,3-Dichloropropene	< 8.23	ug/Kg	5/15/2014	17:56
Trichloroethene	< 8.23	ug/Kg	5/15/2014	17:56
Trichlorofluoromethane	< 8.23	ug/Kg	5/15/2014	17:56
Vinyl chloride	< 8.23	ug/Kg	5/15/2014	17:56

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x13295.D

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: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-42-7-050914

Lab Sample ID: 141892-13 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 336	ug/Kg		5/17/2014 04:32
Acenaphthylene	< 336	ug/Kg		5/17/2014 04:32
Anthracene	< 336	ug/Kg		5/17/2014 04:32
Benzo (a) anthracene	< 336	ug/Kg		5/17/2014 04:32
Benzo (a) pyrene	< 336	ug/Kg		5/17/2014 04:32
Benzo (b) fluoranthene	< 336	ug/Kg		5/17/2014 04:32
Benzo (g,h,i) perylene	< 336	ug/Kg		5/17/2014 04:32
Benzo (k) fluoranthene	< 336	ug/Kg		5/17/2014 04:32
Chrysene	< 336	ug/Kg		5/17/2014 04:32
Dibenz (a,h) anthracene	< 336	ug/Kg		5/17/2014 04:32
Fluoranthene	< 336	ug/Kg		5/17/2014 04:32
Fluorene	< 336	ug/Kg		5/17/2014 04:32
Indeno (1,2,3-cd) pyrene	< 336	ug/Kg		5/17/2014 04:32
Naphthalene	< 336	ug/Kg		5/17/2014 04:32
Phenanthrene	< 336	ug/Kg		5/17/2014 04:32
Pyrene	< 336	ug/Kg		5/17/2014 04:32

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S76690.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 6.69	ug/Kg		5/15/2014 18:20
1,1,2,2-Tetrachloroethane	< 6.69	ug/Kg		5/15/2014 18:20
1,1,2-Trichloroethane	< 6.69	ug/Kg		5/15/2014 18:20
1,1-Dichloroethane	< 6.69	ug/Kg		5/15/2014 18:20
1,1-Dichloroethene	< 6.69	ug/Kg		5/15/2014 18:20

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-42-7-050914

Lab Sample ID: 141892-13 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

1,2,3-Trichlorobenzene	< 16.7	ug/Kg	5/15/2014	18:20
1,2,4-Trichlorobenzene	< 16.7	ug/Kg	5/15/2014	18:20
1,2-Dibromo-3-Chloropropane	< 33.5	ug/Kg	5/15/2014	18:20
1,2-Dibromoethane	< 6.69	ug/Kg	5/15/2014	18:20
1,2-Dichlorobenzene	< 6.69	ug/Kg	5/15/2014	18:20
1,2-Dichloroethane	< 6.69	ug/Kg	5/15/2014	18:20
1,2-Dichloropropane	< 6.69	ug/Kg	5/15/2014	18:20
1,3-Dichlorobenzene	< 6.69	ug/Kg	5/15/2014	18:20
1,4-Dichlorobenzene	< 6.69	ug/Kg	5/15/2014	18:20
1,4-dioxane	< 66.9	ug/Kg	5/15/2014	18:20
2-Butanone	< 33.5	ug/Kg	5/15/2014	18:20
2-Hexanone	< 16.7	ug/Kg	5/15/2014	18:20
4-Methyl-2-pentanone	< 16.7	ug/Kg	5/15/2014	18:20
Acetone	**59.8**	ug/Kg	5/15/2014	18:20
Benzene	< 6.69	ug/Kg	5/15/2014	18:20
Bromochloromethane	< 16.7	ug/Kg	5/15/2014	18:20
Bromodichloromethane	< 6.69	ug/Kg	5/15/2014	18:20
Bromoform	< 16.7	ug/Kg	5/15/2014	18:20
Bromomethane	< 6.69	ug/Kg	5/15/2014	18:20
Carbon disulfide	< 6.69	ug/Kg	5/15/2014	18:20
Carbon Tetrachloride	< 6.69	ug/Kg	5/15/2014	18:20
Chlorobenzene	< 6.69	ug/Kg	5/15/2014	18:20
Chloroethane	< 6.69	ug/Kg	5/15/2014	18:20
Chloroform	< 6.69	ug/Kg	5/15/2014	18:20
Chloromethane	< 6.69	ug/Kg	5/15/2014	18:20
cis-1,2-Dichloroethene	< 6.69	ug/Kg	5/15/2014	18:20
cis-1,3-Dichloropropene	< 6.69	ug/Kg	5/15/2014	18:20
Cyclohexane	< 33.5	ug/Kg	5/15/2014	18:20

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-42-7-050914

Lab Sample ID: 141892-13 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

Dibromochloromethane	< 6.69	ug/Kg	5/15/2014	18:20
Dichlorodifluoromethane	< 6.69	ug/Kg	5/15/2014	18:20
Ethylbenzene	< 6.69	ug/Kg	5/15/2014	18:20
Freon 113	< 6.69	ug/Kg	5/15/2014	18:20
Isopropylbenzene	**13.0**	ug/Kg	5/15/2014	18:20
m,p-Xylene	< 6.69	ug/Kg	5/15/2014	18:20
Methyl acetate	< 6.69	ug/Kg	5/15/2014	18:20
Methyl tert-butyl Ether	< 6.69	ug/Kg	5/15/2014	18:20
Methylcyclohexane	**79.7**	ug/Kg	5/15/2014	18:20
Methylene chloride	< 16.7	ug/Kg	5/15/2014	18:20
o-Xylene	< 6.69	ug/Kg	5/15/2014	18:20
Styrene	< 16.7	ug/Kg	5/15/2014	18:20
Tetrachloroethene	< 6.69	ug/Kg	5/15/2014	18:20
Toluene	< 6.69	ug/Kg	5/15/2014	18:20
trans-1,2-Dichloroethene	< 6.69	ug/Kg	5/15/2014	18:20
trans-1,3-Dichloropropene	< 6.69	ug/Kg	5/15/2014	18:20
Trichloroethene	< 6.69	ug/Kg	5/15/2014	18:20
Trichlorofluoromethane	< 6.69	ug/Kg	5/15/2014	18:20
Vinyl chloride	< 6.69	ug/Kg	5/15/2014	18:20

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x13296.D

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: 141892

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 Task 5

Sample Identifier:	SP-42-11.8-050914		
Lab Sample ID:	141892-14	**Date Sampled:**	5/9/2014
Matrix:	Soil	**Date Received:**	5/12/2014

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed	
Acenaphthene	< 317	ug/Kg		5/17/2014	05:03
Acenaphthylene	< 317	ug/Kg		5/17/2014	05:03
Anthracene	< 317	ug/Kg		5/17/2014	05:03
Benzo (a) anthracene	< 317	ug/Kg		5/17/2014	05:03
Benzo (a) pyrene	< 317	ug/Kg		5/17/2014	05:03
Benzo (b) fluoranthene	< 317	ug/Kg		5/17/2014	05:03
Benzo (g,h,i) perylene	< 317	ug/Kg		5/17/2014	05:03
Benzo (k) fluoranthene	< 317	ug/Kg		5/17/2014	05:03
Chrysene	< 317	ug/Kg		5/17/2014	05:03
Dibenz (a,h) anthracene	< 317	ug/Kg		5/17/2014	05:03
Fluoranthene	< 317	ug/Kg		5/17/2014	05:03
Fluorene	< 317	ug/Kg		5/17/2014	05:03
Indeno (1,2,3-cd) pyrene	< 317	ug/Kg		5/17/2014	05:03
Naphthalene	< 317	ug/Kg		5/17/2014	05:03
Phenanthrene	< 317	ug/Kg		5/17/2014	05:03
Pyrene	< 317	ug/Kg		5/17/2014	05:03

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S76691.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 8.44	ug/Kg		5/15/2014	18:43
1,1,2,2-Tetrachloroethane	< 8.44	ug/Kg		5/15/2014	18:43
1,1,2-Trichloroethane	< 8.44	ug/Kg		5/15/2014	18:43
1,1-Dichloroethane	< 8.44	ug/Kg		5/15/2014	18:43
1,1-Dichloroethene	< 8.44	ug/Kg		5/15/2014	18:43

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-42-11.8-050914

Lab Sample ID: 141892-14 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

1,2,3-Trichlorobenzene	< 21.1	ug/Kg	5/15/2014	18:43
1,2,4-Trichlorobenzene	< 21.1	ug/Kg	5/15/2014	18:43
1,2-Dibromo-3-Chloropropane	< 42.2	ug/Kg	5/15/2014	18:43
1,2-Dibromoethane	< 8.44	ug/Kg	5/15/2014	18:43
1,2-Dichlorobenzene	< 8.44	ug/Kg	5/15/2014	18:43
1,2-Dichloroethane	< 8.44	ug/Kg	5/15/2014	18:43
1,2-Dichloropropane	< 8.44	ug/Kg	5/15/2014	18:43
1,3-Dichlorobenzene	< 8.44	ug/Kg	5/15/2014	18:43
1,4-Dichlorobenzene	< 8.44	ug/Kg	5/15/2014	18:43
1,4-dioxane	< 84.4	ug/Kg	5/15/2014	18:43
2-Butanone	< 42.2	ug/Kg	5/15/2014	18:43
2-Hexanone	< 21.1	ug/Kg	5/15/2014	18:43
4-Methyl-2-pentanone	< 21.1	ug/Kg	5/15/2014	18:43
Acetone	< 42.2	ug/Kg	5/15/2014	18:43
Benzene	< 8.44	ug/Kg	5/15/2014	18:43
Bromochloromethane	< 21.1	ug/Kg	5/15/2014	18:43
Bromodichloromethane	< 8.44	ug/Kg	5/15/2014	18:43
Bromoform	< 21.1	ug/Kg	5/15/2014	18:43
Bromomethane	< 8.44	ug/Kg	5/15/2014	18:43
Carbon disulfide	< 8.44	ug/Kg	5/15/2014	18:43
Carbon Tetrachloride	< 8.44	ug/Kg	5/15/2014	18:43
Chlorobenzene	< 8.44	ug/Kg	5/15/2014	18:43
Chloroethane	< 8.44	ug/Kg	5/15/2014	18:43
Chloroform	< 8.44	ug/Kg	5/15/2014	18:43
Chloromethane	< 8.44	ug/Kg	5/15/2014	18:43
cis-1,2-Dichloroethene	< 8.44	ug/Kg	5/15/2014	18:43
cis-1,3-Dichloropropene	< 8.44	ug/Kg	5/15/2014	18:43
Cyclohexane	< 42.2	ug/Kg	5/15/2014	18:43

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-42-11.8-050914

Lab Sample ID: 141892-14 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

Dibromochloromethane	< 8.44	ug/Kg	5/15/2014	18:43
Dichlorodifluoromethane	< 8.44	ug/Kg	5/15/2014	18:43
Ethylbenzene	< 8.44	ug/Kg	5/15/2014	18:43
Freon 113	< 8.44	ug/Kg	5/15/2014	18:43
Isopropylbenzene	< 8.44	ug/Kg	5/15/2014	18:43
m,p-Xylene	< 8.44	ug/Kg	5/15/2014	18:43
Methyl acetate	< 8.44	ug/Kg	5/15/2014	18:43
Methyl tert-butyl Ether	< 8.44	ug/Kg	5/15/2014	18:43
Methylcyclohexane	< 8.44	ug/Kg	5/15/2014	18:43
Methylene chloride	< 21.1	ug/Kg	5/15/2014	18:43
o-Xylene	< 8.44	ug/Kg	5/15/2014	18:43
Styrene	< 21.1	ug/Kg	5/15/2014	18:43
Tetrachloroethene	< 8.44	ug/Kg	5/15/2014	18:43
Toluene	< 8.44	ug/Kg	5/15/2014	18:43
trans-1,2-Dichloroethene	< 8.44	ug/Kg	5/15/2014	18:43
trans-1,3-Dichloropropene	< 8.44	ug/Kg	5/15/2014	18:43
Trichloroethene	< 8.44	ug/Kg	5/15/2014	18:43
Trichlorofluoromethane	< 8.44	ug/Kg	5/15/2014	18:43
Vinyl chloride	< 8.44	ug/Kg	5/15/2014	18:43

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x13297.D

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.

Report Prepared Tuesday, May 20, 2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-43-4-050914

Lab Sample ID: 141892-15 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 445	ug/Kg		5/17/2014 05:33
Acenaphthylene	< 445	ug/Kg		5/17/2014 05:33
Anthracene	< 445	ug/Kg		5/17/2014 05:33
Benzo (a) anthracene	< 445	ug/Kg		5/17/2014 05:33
Benzo (a) pyrene	< 445	ug/Kg		5/17/2014 05:33
Benzo (b) fluoranthene	< 445	ug/Kg		5/17/2014 05:33
Benzo (g,h,i) perylene	< 445	ug/Kg		5/17/2014 05:33
Benzo (k) fluoranthene	< 445	ug/Kg		5/17/2014 05:33
Chrysene	< 445	ug/Kg		5/17/2014 05:33
Dibenz (a,h) anthracene	< 445	ug/Kg		5/17/2014 05:33
Fluoranthene	< 445	ug/Kg		5/17/2014 05:33
Fluorene	**770**	ug/Kg		5/17/2014 05:33
Indeno (1,2,3-cd) pyrene	< 445	ug/Kg		5/17/2014 05:33
Naphthalene	< 445	ug/Kg		5/17/2014 05:33
Phenanthrene	**1280**	ug/Kg		5/17/2014 05:33
Pyrene	< 445	ug/Kg		5/17/2014 05:33

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S76692.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 12.8	ug/Kg		5/15/2014 19:06
1,1,2,2-Tetrachloroethane	< 12.8	ug/Kg		5/15/2014 19:06
1,1,2-Trichloroethane	< 12.8	ug/Kg		5/15/2014 19:06
1,1-Dichloroethane	< 12.8	ug/Kg		5/15/2014 19:06
1,1-Dichloroethene	< 12.8	ug/Kg		5/15/2014 19:06

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-43-4-050914

Lab Sample ID: 141892-15 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

1,2,3-Trichlorobenzene	< 31.9	ug/Kg	5/15/2014	19:06
1,2,4-Trichlorobenzene	< 31.9	ug/Kg	5/15/2014	19:06
1,2-Dibromo-3-Chloropropane	< 63.8	ug/Kg	5/15/2014	19:06
1,2-Dibromoethane	< 12.8	ug/Kg	5/15/2014	19:06
1,2-Dichlorobenzene	< 12.8	ug/Kg	5/15/2014	19:06
1,2-Dichloroethane	< 12.8	ug/Kg	5/15/2014	19:06
1,2-Dichloropropane	< 12.8	ug/Kg	5/15/2014	19:06
1,3-Dichlorobenzene	< 12.8	ug/Kg	5/15/2014	19:06
1,4-Dichlorobenzene	< 12.8	ug/Kg	5/15/2014	19:06
1,4-dioxane	< 128	ug/Kg	5/15/2014	19:06
2-Butanone	**225**	ug/Kg	5/15/2014	19:06
2-Hexanone	< 31.9	ug/Kg	5/15/2014	19:06
4-Methyl-2-pentanone	< 31.9	ug/Kg	5/15/2014	19:06
Acetone	**802**	ug/Kg	5/15/2014	19:06
Benzene	< 12.8	ug/Kg	5/15/2014	19:06
Bromochloromethane	< 31.9	ug/Kg	5/15/2014	19:06
Bromodichloromethane	< 12.8	ug/Kg	5/15/2014	19:06
Bromoform	< 31.9	ug/Kg	5/15/2014	19:06
Bromomethane	< 12.8	ug/Kg	5/15/2014	19:06
Carbon disulfide	< 12.8	ug/Kg	5/15/2014	19:06
Carbon Tetrachloride	< 12.8	ug/Kg	5/15/2014	19:06
Chlorobenzene	< 12.8	ug/Kg	5/15/2014	19:06
Chloroethane	< 12.8	ug/Kg	5/15/2014	19:06
Chloroform	< 12.8	ug/Kg	5/15/2014	19:06
Chloromethane	< 12.8	ug/Kg	5/15/2014	19:06
cis-1,2-Dichloroethene	< 12.8	ug/Kg	5/15/2014	19:06
cis-1,3-Dichloropropene	< 12.8	ug/Kg	5/15/2014	19:06
Cyclohexane	< 63.8	ug/Kg	5/15/2014	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.

Report Prepared Tuesday, May 20, 2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-43-4-050914

Lab Sample ID: 141892-15 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

Dibromochloromethane	< 12.8	ug/Kg	5/15/2014	19:06
Dichlorodifluoromethane	< 12.8	ug/Kg	5/15/2014	19:06
Ethylbenzene	< 12.8	ug/Kg	5/15/2014	19:06
Freon 113	< 12.8	ug/Kg	5/15/2014	19:06
Isopropylbenzene	**162**	ug/Kg	5/15/2014	19:06
m,p-Xylene	< 12.8	ug/Kg	5/15/2014	19:06
Methyl acetate	< 12.8	ug/Kg	5/15/2014	19:06
Methyl tert-butyl Ether	< 12.8	ug/Kg	5/15/2014	19:06
Methylcyclohexane	**49.1**	ug/Kg	5/15/2014	19:06
Methylene chloride	< 31.9	ug/Kg	5/15/2014	19:06
o-Xylene	< 12.8	ug/Kg	5/15/2014	19:06
Styrene	< 31.9	ug/Kg	5/15/2014	19:06
Tetrachloroethene	< 12.8	ug/Kg	5/15/2014	19:06
Toluene	< 12.8	ug/Kg	5/15/2014	19:06
trans-1,2-Dichloroethene	< 12.8	ug/Kg	5/15/2014	19:06
trans-1,3-Dichloropropene	< 12.8	ug/Kg	5/15/2014	19:06
Trichloroethene	< 12.8	ug/Kg	5/15/2014	19:06
Trichlorofluoromethane	< 12.8	ug/Kg	5/15/2014	19:06
Vinyl chloride	< 12.8	ug/Kg	5/15/2014	19:06

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x13298.D

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: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-43-8-050914

Lab Sample ID: 141892-16 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 316	ug/Kg		5/17/2014 06:04
Acenaphthylene	< 316	ug/Kg		5/17/2014 06:04
Anthracene	< 316	ug/Kg		5/17/2014 06:04
Benzo (a) anthracene	< 316	ug/Kg		5/17/2014 06:04
Benzo (a) pyrene	< 316	ug/Kg		5/17/2014 06:04
Benzo (b) fluoranthene	< 316	ug/Kg		5/17/2014 06:04
Benzo (g,h,i) perylene	< 316	ug/Kg		5/17/2014 06:04
Benzo (k) fluoranthene	< 316	ug/Kg		5/17/2014 06:04
Chrysene	< 316	ug/Kg		5/17/2014 06:04
Dibenz (a,h) anthracene	< 316	ug/Kg		5/17/2014 06:04
Fluoranthene	< 316	ug/Kg		5/17/2014 06:04
Fluorene	< 316	ug/Kg		5/17/2014 06:04
Indeno (1,2,3-cd) pyrene	< 316	ug/Kg		5/17/2014 06:04
Naphthalene	< 316	ug/Kg		5/17/2014 06:04
Phenanthrene	< 316	ug/Kg		5/17/2014 06:04
Pyrene	< 316	ug/Kg		5/17/2014 06:04

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S76693.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.94	ug/Kg		5/15/2014 19:30
1,1,2,2-Tetrachloroethane	< 7.94	ug/Kg		5/15/2014 19:30
1,1,2-Trichloroethane	< 7.94	ug/Kg		5/15/2014 19:30
1,1-Dichloroethane	< 7.94	ug/Kg		5/15/2014 19:30
1,1-Dichloroethene	< 7.94	ug/Kg		5/15/2014 19:30

PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-43-8-050914

Lab Sample ID: 141892-16 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

1,2,3-Trichlorobenzene	< 19.9	ug/Kg	5/15/2014	19:30
1,2,4-Trichlorobenzene	< 19.9	ug/Kg	5/15/2014	19:30
1,2-Dibromo-3-Chloropropane	< 39.7	ug/Kg	5/15/2014	19:30
1,2-Dibromoethane	< 7.94	ug/Kg	5/15/2014	19:30
1,2-Dichlorobenzene	< 7.94	ug/Kg	5/15/2014	19:30
1,2-Dichloroethane	< 7.94	ug/Kg	5/15/2014	19:30
1,2-Dichloropropane	< 7.94	ug/Kg	5/15/2014	19:30
1,3-Dichlorobenzene	< 7.94	ug/Kg	5/15/2014	19:30
1,4-Dichlorobenzene	< 7.94	ug/Kg	5/15/2014	19:30
1,4-dioxane	< 79.4	ug/Kg	5/15/2014	19:30
2-Butanone	< 39.7	ug/Kg	5/15/2014	19:30
2-Hexanone	< 19.9	ug/Kg	5/15/2014	19:30
4-Methyl-2-pentanone	< 19.9	ug/Kg	5/15/2014	19:30
Acetone	< 39.7	ug/Kg	5/15/2014	19:30
Benzene	< 7.94	ug/Kg	5/15/2014	19:30
Bromochloromethane	< 19.9	ug/Kg	5/15/2014	19:30
Bromodichloromethane	< 7.94	ug/Kg	5/15/2014	19:30
Bromoform	< 19.9	ug/Kg	5/15/2014	19:30
Bromomethane	< 7.94	ug/Kg	5/15/2014	19:30
Carbon disulfide	< 7.94	ug/Kg	5/15/2014	19:30
Carbon Tetrachloride	< 7.94	ug/Kg	5/15/2014	19:30
Chlorobenzene	< 7.94	ug/Kg	5/15/2014	19:30
Chloroethane	< 7.94	ug/Kg	5/15/2014	19:30
Chloroform	< 7.94	ug/Kg	5/15/2014	19:30
Chloromethane	< 7.94	ug/Kg	5/15/2014	19:30
cis-1,2-Dichloroethene	< 7.94	ug/Kg	5/15/2014	19:30
cis-1,3-Dichloropropene	< 7.94	ug/Kg	5/15/2014	19:30
Cyclohexane	< 39.7	ug/Kg	5/15/2014	19:30

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-43-8-050914

Lab Sample ID: 141892-16 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

Dibromochloromethane	< 7.94	ug/Kg	5/15/2014	19:30
Dichlorodifluoromethane	< 7.94	ug/Kg	5/15/2014	19:30
Ethylbenzene	< 7.94	ug/Kg	5/15/2014	19:30
Freon 113	< 7.94	ug/Kg	5/15/2014	19:30
Isopropylbenzene	< 7.94	ug/Kg	5/15/2014	19:30
m,p-Xylene	< 7.94	ug/Kg	5/15/2014	19:30
Methyl acetate	< 7.94	ug/Kg	5/15/2014	19:30
Methyl tert-butyl Ether	< 7.94	ug/Kg	5/15/2014	19:30
Methylcyclohexane	< 7.94	ug/Kg	5/15/2014	19:30
Methylene chloride	< 19.9	ug/Kg	5/15/2014	19:30
o-Xylene	< 7.94	ug/Kg	5/15/2014	19:30
Styrene	< 19.9	ug/Kg	5/15/2014	19:30
Tetrachloroethene	< 7.94	ug/Kg	5/15/2014	19:30
Toluene	< 7.94	ug/Kg	5/15/2014	19:30
trans-1,2-Dichloroethene	< 7.94	ug/Kg	5/15/2014	19:30
trans-1,3-Dichloropropene	< 7.94	ug/Kg	5/15/2014	19:30
Trichloroethene	< 7.94	ug/Kg	5/15/2014	19:30
Trichlorofluoromethane	< 7.94	ug/Kg	5/15/2014	19:30
Vinyl chloride	< 7.94	ug/Kg	5/15/2014	19:30

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x13299.D

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: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier:	SP-44-5-050914		
Lab Sample ID:	141892-17	**Date Sampled:**	5/9/2014
Matrix:	Soil	**Date Received:**	5/12/2014

Semi-Volatile Organics (PAHs)

Analyte	Result	Units	Qualifier	Date Analyzed
Acenaphthene	< 425	ug/Kg		5/17/2014 06:34
Acenaphthylene	< 425	ug/Kg		5/17/2014 06:34
Anthracene	< 425	ug/Kg		5/17/2014 06:34
Benzo (a) anthracene	< 425	ug/Kg		5/17/2014 06:34
Benzo (a) pyrene	< 425	ug/Kg		5/17/2014 06:34
Benzo (b) fluoranthene	< 425	ug/Kg		5/17/2014 06:34
Benzo (g,h,i) perylene	< 425	ug/Kg		5/17/2014 06:34
Benzo (k) fluoranthene	< 425	ug/Kg		5/17/2014 06:34
Chrysene	< 425	ug/Kg		5/17/2014 06:34
Dibenz (a,h) anthracene	< 425	ug/Kg		5/17/2014 06:34
Fluoranthene	< 425	ug/Kg		5/17/2014 06:34
Fluorene	< 425	ug/Kg		5/17/2014 06:34
Indeno (1,2,3-cd) pyrene	< 425	ug/Kg		5/17/2014 06:34
Naphthalene	< 425	ug/Kg		5/17/2014 06:34
Phenanthrene	< 425	ug/Kg		5/17/2014 06:34
Pyrene	< 425	ug/Kg		5/17/2014 06:34

Method Reference(s): EPA 8270D
EPA 3550C
Data File: S76694.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 10.2	ug/Kg		5/15/2014 19:53
1,1,2,2-Tetrachloroethane	< 10.2	ug/Kg		5/15/2014 19:53
1,1,2-Trichloroethane	< 10.2	ug/Kg		5/15/2014 19:53
1,1-Dichloroethane	< 10.2	ug/Kg		5/15/2014 19:53
1,1-Dichloroethene	< 10.2	ug/Kg		5/15/2014 19:53

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-44-5-050914

Lab Sample ID: 141892-17 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

1,2,3-Trichlorobenzene	< 25.5	ug/Kg	5/15/2014	19:53
1,2,4-Trichlorobenzene	< 25.5	ug/Kg	5/15/2014	19:53
1,2-Dibromo-3-Chloropropane	< 51.0	ug/Kg	5/15/2014	19:53
1,2-Dibromoethane	< 10.2	ug/Kg	5/15/2014	19:53
1,2-Dichlorobenzene	< 10.2	ug/Kg	5/15/2014	19:53
1,2-Dichloroethane	< 10.2	ug/Kg	5/15/2014	19:53
1,2-Dichloropropane	< 10.2	ug/Kg	5/15/2014	19:53
1,3-Dichlorobenzene	< 10.2	ug/Kg	5/15/2014	19:53
1,4-Dichlorobenzene	< 10.2	ug/Kg	5/15/2014	19:53
1,4-dioxane	< 102	ug/Kg	5/15/2014	19:53
2-Butanone	**160**	ug/Kg	5/15/2014	19:53
2-Hexanone	< 25.5	ug/Kg	5/15/2014	19:53
4-Methyl-2-pentanone	< 25.5	ug/Kg	5/15/2014	19:53
Acetone	**564**	ug/Kg	5/15/2014	19:53
Benzene	< 10.2	ug/Kg	5/15/2014	19:53
Bromochloromethane	< 25.5	ug/Kg	5/15/2014	19:53
Bromodichloromethane	< 10.2	ug/Kg	5/15/2014	19:53
Bromoform	< 25.5	ug/Kg	5/15/2014	19:53
Bromomethane	< 10.2	ug/Kg	5/15/2014	19:53
Carbon disulfide	**19.9**	ug/Kg	5/15/2014	19:53
Carbon Tetrachloride	< 10.2	ug/Kg	5/15/2014	19:53
Chlorobenzene	< 10.2	ug/Kg	5/15/2014	19:53
Chloroethane	< 10.2	ug/Kg	5/15/2014	19:53
Chloroform	< 10.2	ug/Kg	5/15/2014	19:53
Chloromethane	< 10.2	ug/Kg	5/15/2014	19:53
cis-1,2-Dichloroethene	< 10.2	ug/Kg	5/15/2014	19:53
cis-1,3-Dichloropropene	< 10.2	ug/Kg	5/15/2014	19:53
Cyclohexane	< 51.0	ug/Kg	5/15/2014	19:53

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.

Report Prepared Tuesday, May 20, 2014

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 141892

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 Task 5

Sample Identifier: SP-44-5-050914

Lab Sample ID: 141892-17 **Date Sampled:** 5/9/2014

Matrix: Soil **Date Received:** 5/12/2014

Dibromochloromethane	< 10.2	ug/Kg	5/15/2014	19:53
Dichlorodifluoromethane	< 10.2	ug/Kg	5/15/2014	19:53
Ethylbenzene	< 10.2	ug/Kg	5/15/2014	19:53
Freon 113	< 10.2	ug/Kg	5/15/2014	19:53
Isopropylbenzene	< 10.2	ug/Kg	5/15/2014	19:53
m,p-Xylene	< 10.2	ug/Kg	5/15/2014	19:53
Methyl acetate	< 10.2	ug/Kg	5/15/2014	19:53
Methyl tert-butyl Ether	< 10.2	ug/Kg	5/15/2014	19:53
Methylcyclohexane	< 10.2	ug/Kg	5/15/2014	19:53
Methylene chloride	< 25.5	ug/Kg	5/15/2014	19:53
o-Xylene	< 10.2	ug/Kg	5/15/2014	19:53
Styrene	< 25.5	ug/Kg	5/15/2014	19:53
Tetrachloroethene	< 10.2	ug/Kg	5/15/2014	19:53
Toluene	< 10.2	ug/Kg	5/15/2014	19:53
trans-1,2-Dichloroethene	< 10.2	ug/Kg	5/15/2014	19:53
trans-1,3-Dichloropropene	< 10.2	ug/Kg	5/15/2014	19:53
Trichloroethene	< 10.2	ug/Kg	5/15/2014	19:53
Trichlorofluoromethane	< 10.2	ug/Kg	5/15/2014	19:53
Vinyl chloride	< 10.2	ug/Kg	5/15/2014	19:53

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x13300.D

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.

1 of 3 ~~1 of 2~~

PARADIGM

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	GZA GeoEnvironmental	CLIENT:		141892
ADDRESS:	535 Washington St.	ADDRESS:		
CITY: Buffalo, STATE: NY ZIP: 14203		CITY: STATE: ZIP:		Quotation #:
PHONE:	716-685-2300	PHONE:		Email: christopher.boron@gza.com
ATTN:	C. Boron	ATTN:		

PROJECT REFERENCE: 21.0056687.10 Task 5

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 TCL	SVOC 8270 STARS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	5/8/14	1040		X	SP-27-8-050814	SO	1	X	X		01
2		1100		X	SP-28-8-050814		1	X	X		02
3		1110		X	SP-28-10-050814		1	X	X		03
4		1140		X	SP-29-4-050814		1	X	X		04
5		1530		X	SP-33-3.5-050814		1	X	X		05
6		1545		X	SP-33-6-050814		1	X	X		06
7	5/9/14	1000		X	SP-36-4-050914		1	X	X		07
8		1050		X	SP-37-11.9-050914		1	X			08
9		1040		X	SP-37-1-050914		1	X			09
10		1150		X	SP-38-5-050914		1	X	X	1°C iced by Jmp Blk	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: T. Bohlen — Date/Time: 5/8/14 / 5/9/14

Relinquished By: Thomas Bohlen — Date/Time: 5/9/14

Received By: [signature] — Date/Time: 5/9/14

Received @ Lab By: [signature] — Date/Time: 5/12/14 1318

Total Cost:

P.I.F.

2 of 3 ~~2 of 2~~

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	LAB PROJECT ID
CLIENT: GZA GeoEnvironmental	CLIENT:	141892
ADDRESS: 535 Washington St.	ADDRESS:	Quotation #:
CITY: Buffalo, STATE: NY ZIP: 14203	CITY: STATE: ZIP:	Email: christopher.boron@gza.com
PHONE: 716 685-2300	PHONE:	
ATTN: C. Boron	ATTN:	

PROJECT REFERENCE
21.0056687.10
Task 5

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 VOC TCL	8270 SVOC STARS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	5/9/14	1305		X	SP-39-4-050914	SO	1	X	X		1 1
2		1310		X	SP-39-5-050914		1	X	X		1 2
3		1530		X	SP-42-7-050914		1	X	X		1 3
4		1535		X	SP-42-11.8-050914		1	X	X		1 4
5		1625		X	SP-43-4-050914		1	X	X		1 5
6		1630		X	SP-43-8-050914		1	X	X		1 6
7		1655		X	SP-44-5-050914		1	X	X		1 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	☐
Rush 2 day	☐	Category B	☐		
Rush 1 day	☐				
Other please indicate:	☐	Other please indicate:	☐	Other EDD please indicate:	☐

T. Bohlen	5/8/14 / 5/9/14	
Sampled By	Date/Time	Total Cost:
Thomas Bohlen	~~5/8/14~~ 5/9/14	
Relinquished By	Date/Time	
[illegible]	5/9/14	
Received By	Date/Time	P.I.F.
[illegible]	5/12/14 1318	
Received @ Lab By	Date/Time	

Chain of Custody Supplement

Client:	G2A	**Completed by:**	SSL
Lab Project ID:	141892	**Date:**	5/12/14

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	X 5035	
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	1°C rcd by temp blank		
Sufficient Sample Quantity	X		
Comments			

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

EnviroTest
Laboratories Inc.

ANALYTICAL REPORT

Job Number: 420-77953-2

SDG Number: 141907

Job Description: Paradigm Environmental, Inc.

For:
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Attention: Jane Daloia

Meredith Ruthven

Meredith W Ruthven
Customer Service Manager
mruthven@envirotestlaboratories.com
05/22/2014

cc: Kathryn Hansen

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554

Job Narrative
420-J77953-2

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Samples were recieved in bulk sample containers, therefore as per method 5035 all results below 200 ug/kg are to be considered minimium values.

Method 8260C: The laboratory control standard (LCS) for batch 75691 exceeded control limits for the analytes indicated by an asterisk (*) on the results form. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported with confidence of no false negatives.

No other analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

METHOD SUMMARY

Client: Paradigm Environmental Services, Inc.

Job Number: 420-77953-2
SDG Number: 141907

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	EnvTest	SW846 8260C	
Closed System Purge&Trap High Level	EnvTest		EPA 5035-H
Semivolatile Compounds by GC/MS	EnvTest	SW846 8270D	
Microwave Extraction	EnvTest		SW846 3546

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Paradigm Environmental Services, Inc.

Job Number: 420-77953-2
SDG Number: 141907

Method	Analyst	Analyst ID
SW846 8260C	Andersen, Eric C	ECA
SW846 8270D	Labare, Alicia M	AML
EPA PercentMoisture	Goldstein, Amy	AG

SAMPLE SUMMARY

Client: Paradigm Environmental Services, Inc.

Job Number: 420-77953-2
SDG Number: 141907

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-77953-3	SP-45-4-8-051214	Solid	05/12/2014 0915	05/21/2014 0900
420-77953-4	SP-46-0-2-051214	Solid	05/12/2014 0945	05/21/2014 0900
420-77953-5	SP-46-2-4-051214	Solid	05/12/2014 1010	05/21/2014 0900
420-77953-6	SP-47-6-8-051214	Solid	05/12/2014 1134	05/21/2014 0900
420-77953-7	SP-47-12-14-051214	Solid	05/12/2014 1130	05/21/2014 0900
420-77953-8	SP-47-18-20-051214	Solid	05/12/2014 1132	05/21/2014 0900
420-77953-9	SP-48-10-12-051214	Solid	05/12/2014 1740	05/21/2014 0900
420-77953-10	SP-48-18-20-051214	Solid	05/12/2014 1315	05/21/2014 0900
420-77953-11	SP-49-12-14-051214	Solid	05/12/2014 1450	05/21/2014 0900
420-77953-12	SP-49-18-20-051214	Solid	05/12/2014 1745	05/21/2014 0900
420-77953-13	SP50-8-10-051214	Solid	05/12/2014 1750	05/21/2014 0900
420-77953-14	SP-51-10-12-051214	Solid	05/12/2014 1710	05/21/2014 0900

Jane Daloia
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-45-4-8-051214**
Lab Sample ID: **420-77953-3**

Date Sampled: 05/12/2014 0915
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 84

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	05/21/2014 1333		
Prep Method: 5035-H			Date Prepared:	05/21/2014 1207		
1,2,3-Trichlorobenzene	200	U	ug/Kg Dry	14	200	100
1,2,4-Trichlorobenzene	200	U	ug/Kg Dry	14	200	100
1,2-Dichlorobenzene	200	U	ug/Kg Dry	6.3	200	100
1,3,5-Trimethylbenzene	200	U	ug/Kg Dry	10	200	100
1,3-Dichlorobenzene	200	U	ug/Kg Dry	9.1	200	100
1,4-Dichlorobenzene	200	U	ug/Kg Dry	10	200	100
1,4-Dioxane	300	U	ug/Kg Dry	260	300	100
2-Hexanone	200	U	ug/Kg Dry	32	200	100
Acetone	990	U	ug/Kg Dry	42	990	100
Benzene	200	U	ug/Kg Dry	4.0	200	100
Bromoform	200	U	ug/Kg Dry	3.2	200	100
Bromomethane	200	U	ug/Kg Dry	3.0	200	100
Carbon disulfide	200	U	ug/Kg Dry	6.5	200	100
Carbon tetrachloride	200	U	ug/Kg Dry	6.3	200	100
Chlorobenzene	200	U	ug/Kg Dry	6.1	200	100
Chlorobromomethane	200	U	ug/Kg Dry	6.1	200	100
Chlorodibromomethane	200	U	ug/Kg Dry	4.8	200	100
Chloroethane	200	U	ug/Kg Dry	6.9	200	100
Chloroform	200	U	ug/Kg Dry	3.6	200	100
Chloromethane	200	U	ug/Kg Dry	4.6	200	100
cis-1,2-Dichloroethene	200	U	ug/Kg Dry	4.0	200	100
cis-1,3-Dichloropropene	200	U	ug/Kg Dry	3.6	200	100
Dibromomethane	200	U	ug/Kg Dry	6.3	200	100
Bromodichloromethane	200	U	ug/Kg Dry	1.8	200	100
Dichlorodifluoromethane	200	U	ug/Kg Dry	19	200	100
Ethyl methacrylate	200	U	ug/Kg Dry	3.4	200	100
Ethylbenzene	200	U	ug/Kg Dry	7.7	200	100
Isopropylbenzene	200	U	ug/Kg Dry	8.9	200	100
m-Xylene & p-Xylene	400	U	ug/Kg Dry	18	400	100
4-Methyl-2-pentanone (MIBK)	200	U	ug/Kg Dry	32	200	100
Methyl tert-butyl ether	200	U	ug/Kg Dry	3.0	200	100
Methylene Chloride	200	U	ug/Kg Dry	5.9	200	100
o-Xylene	400	U	ug/Kg Dry	5.1	400	100
Styrene	200	U	ug/Kg Dry	4.8	200	100
Tetrachloroethene	200	U	ug/Kg Dry	20	200	100
Toluene	200	U	ug/Kg Dry	4.0	200	100
trans-1,2-Dichloroethene	200	U	ug/Kg Dry	7.1	200	100
trans-1,3-Dichloropropene	200	U	ug/Kg Dry	3.2	200	100
trans-1,4-Dichloro-2-butene	200	U	ug/Kg Dry	16	200	100

Jane Daloia
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-45-4-8-051214**
Lab Sample ID: **420-77953-3**

Date Sampled: 05/12/2014 0915
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 84

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Trichloroethene	200	U	ug/Kg Dry	7.9	200	100
Trichlorofluoromethane	200	U	ug/Kg Dry	11	200	100
Vinyl chloride	200	U	ug/Kg Dry	6.1	200	100
Xylenes, Total	400	U	ug/Kg Dry	20	400	100
1,1,1-Trichloroethane	200	U	ug/Kg Dry	4.9	200	100
Freon 113	200	U	ug/Kg Dry	5.9	200	100
1,1,2-Trichloroethane	200	U	ug/Kg Dry	6.5	200	100
1,1-Dichloroethane	200	U	ug/Kg Dry	2.8	200	100
1,1-Dichloroethene	200	U	ug/Kg Dry	6.5	200	100
1,1-Dichloropropene	200	U	ug/Kg Dry	10	200	100
1,2-Dibromo-3-Chloropropane	200	U	ug/Kg Dry	6.1	200	100
1,2-Dichloroethane	200	U	ug/Kg Dry	4.0	200	100
1,2-Dichloropropane	200	U	ug/Kg Dry	3.8	200	100
1,3-Dichloropropane	200	U	ug/Kg Dry	4.4	200	100
2,2-Dichloropropane	200	U	ug/Kg Dry	4.4	200	100
1,2-Dibromoethane	200	U	ug/Kg Dry	6.3	200	100
2-Butanone (MEK)	200	U	ug/Kg Dry	59	200	100
1,1,2,2-Tetrachloroethane	200	U	ug/Kg Dry	4.0	200	100
1,2,3-Trichloropropane	200	U	ug/Kg Dry	4.4	200	100
Tetrahydrofuran	200	U	ug/Kg Dry	32	200	100

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	95	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	93	%	73 - 128
4-Bromofluorobenzene	105	%	49 - 138

Method: 8270D Date Analyzed: 05/21/2014 1623
Prep Method: 3546 Date Prepared: 05/20/2014 1530

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Acenaphthene	400	U	ug/Kg Dry	120	400	1.0
Acenaphthylene	400	U	ug/Kg Dry	150	400	1.0
Anthracene	400	U	ug/Kg Dry	110	400	1.0
Benzo[a]anthracene	150	J	ug/Kg Dry	120	400	1.0
Dibenz(a,h)anthracene	400	U	ug/Kg Dry	110	400	1.0
Chrysene	170	J	ug/Kg Dry	110	400	1.0
Fluoranthene	470		ug/Kg Dry	100	400	1.0
Benzo[b]fluoranthene	160	J	ug/Kg Dry	110	400	1.0
Benzo[k]fluoranthene	400	U	ug/Kg Dry	110	400	1.0
Fluorene	400	U	ug/Kg Dry	110	400	1.0
Naphthalene	400	U	ug/Kg Dry	210	400	1.0
Benzo[g,h,i]perylene	400	U	ug/Kg Dry	120	400	1.0
Phenanthrene	170	J	ug/Kg Dry	110	400	1.0
Pyrene	320	J	ug/Kg Dry	110	400	1.0

Jane Daloia
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-45-4-8-051214**
Lab Sample ID: **420-77953-3**

Date Sampled: 05/12/2014 0915
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 84

Analyte	**Result/Qualifier**		**Unit**	**MDL**	**RL**	**Dilution**
Benzo[a]pyrene	110	J	ug/Kg Dry	100	400	1.0
Indeno[1,2,3-cd]pyrene	400	U	ug/Kg Dry	320	400	1.0

Surrogate			Acceptance Limits
2-Fluorobiphenyl	48	%	10 - 120
Nitrobenzene-d5	12	%	10 - 120
Terphenyl-d14	53	%	10 - 120

Jane Daloia
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-46-0-2-051214**
Lab Sample ID: **420-77953-4**

Date Sampled: 05/12/2014 0945
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 93

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	05/21/2014 1401		
Prep Method: 5035-H			Date Prepared:	05/21/2014 1207		
1,2,3-Trichlorobenzene	200	U	ug/Kg Dry	15	200	100
1,2,4-Trichlorobenzene	200	U	ug/Kg Dry	15	200	100
1,2-Dichlorobenzene	200	U	ug/Kg Dry	6.5	200	100
1,3,5-Trimethylbenzene	200	U	ug/Kg Dry	11	200	100
1,3-Dichlorobenzene	200	U	ug/Kg Dry	9.3	200	100
1,4-Dichlorobenzene	200	U	ug/Kg Dry	11	200	100
1,4-Dioxane	300	U	ug/Kg Dry	260	300	100
2-Hexanone	200	U	ug/Kg Dry	32	200	100
Acetone	1000	U	ug/Kg Dry	43	1000	100
Benzene	200	U	ug/Kg Dry	4.1	200	100
Bromoform	200	U	ug/Kg Dry	3.2	200	100
Bromomethane	200	U	ug/Kg Dry	3.0	200	100
Carbon disulfide	200	U	ug/Kg Dry	6.7	200	100
Carbon tetrachloride	200	U	ug/Kg Dry	6.5	200	100
Chlorobenzene	200	U	ug/Kg Dry	6.3	200	100
Chlorobromomethane	200	U	ug/Kg Dry	6.3	200	100
Chlorodibromomethane	200	U	ug/Kg Dry	4.9	200	100
Chloroethane	200	U	ug/Kg Dry	7.1	200	100
Chloroform	200	U	ug/Kg Dry	3.6	200	100
Chloromethane	200	U	ug/Kg Dry	4.7	200	100
cis-1,2-Dichloroethene	110	J	ug/Kg Dry	4.1	200	100
cis-1,3-Dichloropropene	200	U	ug/Kg Dry	3.6	200	100
Dibromomethane	200	U	ug/Kg Dry	6.5	200	100
Bromodichloromethane	200	U	ug/Kg Dry	1.8	200	100
Dichlorodifluoromethane	200	U	ug/Kg Dry	19	200	100
Ethyl methacrylate	200	U	ug/Kg Dry	3.4	200	100
Ethylbenzene	200	U	ug/Kg Dry	7.9	200	100
Isopropylbenzene	200	U	ug/Kg Dry	9.1	200	100
m-Xylene & p-Xylene	410	U	ug/Kg Dry	18	410	100
4-Methyl-2-pentanone (MIBK)	200	U	ug/Kg Dry	32	200	100
Methyl tert-butyl ether	200	U	ug/Kg Dry	3.0	200	100
Methylene Chloride	200	U	ug/Kg Dry	6.1	200	100
o-Xylene	410	U	ug/Kg Dry	5.3	410	100
Styrene	200	U	ug/Kg Dry	4.9	200	100
Tetrachloroethene	13000		ug/Kg Dry	20	200	100
Toluene	200	U	ug/Kg Dry	4.1	200	100
trans-1,2-Dichloroethene	200	U	ug/Kg Dry	7.3	200	100
trans-1,3-Dichloropropene	200	U	ug/Kg Dry	3.2	200	100
trans-1,4-Dichloro-2-butene	200	U	ug/Kg Dry	16	200	100

Jane Daloia
Paradigm Environmental Services, Inc.
179 Lake Avenue
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Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-46-0-2-051214**
Lab Sample ID: **420-77953-4**

Date Sampled: 05/12/2014 0945
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 93

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Trichloroethene	480		ug/Kg Dry	8.1	200	100
Trichlorofluoromethane	200	U	ug/Kg Dry	11	200	100
Vinyl chloride	200	U	ug/Kg Dry	6.3	200	100
Xylenes, Total	410	U	ug/Kg Dry	20	410	100
1,1,1-Trichloroethane	200	U	ug/Kg Dry	5.1	200	100
Freon 113	200	U	ug/Kg Dry	6.1	200	100
1,1,2-Trichloroethane	200	U	ug/Kg Dry	6.7	200	100
1,1-Dichloroethane	200	U	ug/Kg Dry	2.8	200	100
1,1-Dichloroethene	200	U	ug/Kg Dry	6.7	200	100
1,1-Dichloropropene	200	U	ug/Kg Dry	10	200	100
1,2-Dibromo-3-Chloropropane	200	U	ug/Kg Dry	6.3	200	100
1,2-Dichloroethane	200	U	ug/Kg Dry	4.1	200	100
1,2-Dichloropropane	200	U	ug/Kg Dry	3.9	200	100
1,3-Dichloropropane	200	U	ug/Kg Dry	4.5	200	100
2,2-Dichloropropane	200	U	ug/Kg Dry	4.5	200	100
1,2-Dibromoethane	200	U	ug/Kg Dry	6.5	200	100
2-Butanone (MEK)	200	U	ug/Kg Dry	61	200	100
1,1,2,2-Tetrachloroethane	200	U	ug/Kg Dry	4.1	200	100
1,2,3-Trichloropropane	200	U	ug/Kg Dry	4.5	200	100
Tetrahydrofuran	200	U	ug/Kg Dry	33	200	100

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	95	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	90	%	73 - 128
4-Bromofluorobenzene	101	%	49 - 138

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Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-46-2-4-051214**
Lab Sample ID: **420-77953-5**

Date Sampled: 05/12/2014 1010
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 91

Analyte	Result	Qualifier	Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	05/21/2014 1429		
Prep Method: 5035-H			Date Prepared:	05/21/2014 1207		
1,2,3-Trichlorobenzene	160	U	ug/Kg Dry	12	160	100
1,2,4-Trichlorobenzene	160	U	ug/Kg Dry	12	160	100
1,2-Dichlorobenzene	160	U	ug/Kg Dry	5.3	160	100
1,3,5-Trimethylbenzene	160	U	ug/Kg Dry	8.7	160	100
1,3-Dichlorobenzene	160	U	ug/Kg Dry	7.6	160	100
1,4-Dichlorobenzene	160	U	ug/Kg Dry	8.7	160	100
1,4-Dioxane	250	U	ug/Kg Dry	210	250	100
2-Hexanone	160	U	ug/Kg Dry	26	160	100
Acetone	820	U	ug/Kg Dry	35	820	100
Benzene	160	U	ug/Kg Dry	3.3	160	100
Bromoform	160	U	ug/Kg Dry	2.6	160	100
Bromomethane	160	U	ug/Kg Dry	2.5	160	100
Carbon disulfide	160	U	ug/Kg Dry	5.4	160	100
Carbon tetrachloride	160	U	ug/Kg Dry	5.3	160	100
Chlorobenzene	160	U	ug/Kg Dry	5.1	160	100
Chlorobromomethane	160	U	ug/Kg Dry	5.1	160	100
Chlorodibromomethane	160	U	ug/Kg Dry	4.0	160	100
Chloroethane	160	U	ug/Kg Dry	5.8	160	100
Chloroform	160	U	ug/Kg Dry	3.0	160	100
Chloromethane	160	U	ug/Kg Dry	3.8	160	100
cis-1,2-Dichloroethene	160	U	ug/Kg Dry	3.3	160	100
cis-1,3-Dichloropropene	160	U	ug/Kg Dry	3.0	160	100
Dibromomethane	160	U	ug/Kg Dry	5.3	160	100
Bromodichloromethane	160	U	ug/Kg Dry	1.5	160	100
Dichlorodifluoromethane	160	U	ug/Kg Dry	16	160	100
Ethyl methacrylate	160	U	ug/Kg Dry	2.8	160	100
Ethylbenzene	160	U	ug/Kg Dry	6.4	160	100
Isopropylbenzene	160	U	ug/Kg Dry	7.4	160	100
m-Xylene & p-Xylene	330	U	ug/Kg Dry	15	330	100
4-Methyl-2-pentanone (MIBK)	160	U	ug/Kg Dry	26	160	100
Methyl tert-butyl ether	160	U	ug/Kg Dry	2.5	160	100
Methylene Chloride	160	U	ug/Kg Dry	4.9	160	100
o-Xylene	330	U	ug/Kg Dry	4.3	330	100
Styrene	160	U	ug/Kg Dry	4.0	160	100
Tetrachloroethene	34	J	ug/Kg Dry	16	160	100
Toluene	160	U	ug/Kg Dry	3.3	160	100
trans-1,2-Dichloroethene	160	U	ug/Kg Dry	5.9	160	100
trans-1,3-Dichloropropene	160	U	ug/Kg Dry	2.6	160	100
trans-1,4-Dichloro-2-butene	160	U	ug/Kg Dry	13	160	100

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Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-46-2-4-051214**
Lab Sample ID: **420-77953-5**

Date Sampled: 05/12/2014 1010
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 91

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Trichloroethene	160	U	ug/Kg Dry	6.6	160	100
Trichlorofluoromethane	160	U	ug/Kg Dry	9.1	160	100
Vinyl chloride	160	U	ug/Kg Dry	5.1	160	100
Xylenes, Total	330	U	ug/Kg Dry	16	330	100
1,1,1-Trichloroethane	160	U	ug/Kg Dry	4.1	160	100
Freon 113	160	U	ug/Kg Dry	4.9	160	100
1,1,2-Trichloroethane	160	U	ug/Kg Dry	5.4	160	100
1,1-Dichloroethane	160	U	ug/Kg Dry	2.3	160	100
1,1-Dichloroethene	160	U	ug/Kg Dry	5.4	160	100
1,1-Dichloropropene	160	U	ug/Kg Dry	8.4	160	100
1,2-Dibromo-3-Chloropropane	160	U	ug/Kg Dry	5.1	160	100
1,2-Dichloroethane	160	U	ug/Kg Dry	3.3	160	100
1,2-Dichloropropane	160	U	ug/Kg Dry	3.1	160	100
1,3-Dichloropropane	160	U	ug/Kg Dry	3.6	160	100
2,2-Dichloropropane	160	U	ug/Kg Dry	3.6	160	100
1,2-Dibromoethane	160	U	ug/Kg Dry	5.3	160	100
2-Butanone (MEK)	160	U	ug/Kg Dry	49	160	100
1,1,2,2-Tetrachloroethane	160	U	ug/Kg Dry	3.3	160	100
1,2,3-Trichloropropane	160	U	ug/Kg Dry	3.6	160	100
Tetrahydrofuran	160	U	ug/Kg Dry	27	160	100

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	95	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	93	%	73 - 128
4-Bromofluorobenzene	104	%	49 - 138

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Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-47-6-8-051214**
Lab Sample ID: **420-77953-6**

Date Sampled: 05/12/2014 1134
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 90

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	05/21/2014 1457		
Prep Method: 5035-H			Date Prepared:	05/21/2014 1207		
1,2,3-Trichlorobenzene	160	U	ug/Kg Dry	12	160	100
1,2,4-Trichlorobenzene	160	U	ug/Kg Dry	12	160	100
1,2-Dichlorobenzene	40	J	ug/Kg Dry	5.3	160	100
1,3,5-Trimethylbenzene	160	U	ug/Kg Dry	8.7	160	100
1,3-Dichlorobenzene	160	U	ug/Kg Dry	7.6	160	100
1,4-Dichlorobenzene	160	U	ug/Kg Dry	8.7	160	100
1,4-Dioxane	250	U	ug/Kg Dry	210	250	100
2-Hexanone	160	U	ug/Kg Dry	26	160	100
Acetone	820	U	ug/Kg Dry	35	820	100
Benzene	160	U	ug/Kg Dry	3.3	160	100
Bromoform	160	U	ug/Kg Dry	2.6	160	100
Bromomethane	160	U	ug/Kg Dry	2.5	160	100
Carbon disulfide	160	U	ug/Kg Dry	5.4	160	100
Carbon tetrachloride	160	U	ug/Kg Dry	5.3	160	100
Chlorobenzene	160	U	ug/Kg Dry	5.1	160	100
Chlorobromomethane	160	U	ug/Kg Dry	5.1	160	100
Chlorodibromomethane	160	U	ug/Kg Dry	3.9	160	100
Chloroethane	160	U	ug/Kg Dry	5.8	160	100
Chloroform	160	U	ug/Kg Dry	3.0	160	100
Chloromethane	160	U	ug/Kg Dry	3.8	160	100
cis-1,2-Dichloroethene	130	J	ug/Kg Dry	3.3	160	100
cis-1,3-Dichloropropene	160	U	ug/Kg Dry	3.0	160	100
Dibromomethane	160	U	ug/Kg Dry	5.3	160	100
Bromodichloromethane	160	U	ug/Kg Dry	1.5	160	100
Dichlorodifluoromethane	160	U	ug/Kg Dry	16	160	100
Ethyl methacrylate	160	U	ug/Kg Dry	2.8	160	100
Ethylbenzene	160	U	ug/Kg Dry	6.4	160	100
Isopropylbenzene	160	U	ug/Kg Dry	7.4	160	100
m-Xylene & p-Xylene	330	U	ug/Kg Dry	15	330	100
4-Methyl-2-pentanone (MIBK)	160	U	ug/Kg Dry	26	160	100
Methyl tert-butyl ether	160	U	ug/Kg Dry	2.5	160	100
Methylene Chloride	160	U	ug/Kg Dry	4.9	160	100
o-Xylene	330	U	ug/Kg Dry	4.3	330	100
Styrene	160	U	ug/Kg Dry	3.9	160	100
Tetrachloroethene	690000	E	ug/Kg Dry	16	160	100
Toluene	50	J	ug/Kg Dry	3.3	160	100
trans-1,2-Dichloroethene	160	U	ug/Kg Dry	5.9	160	100
trans-1,3-Dichloropropene	160	U	ug/Kg Dry	2.6	160	100
trans-1,4-Dichloro-2-butene	160	U	ug/Kg Dry	13	160	100

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Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-47-6-8-051214**
Lab Sample ID: **420-77953-6**

Date Sampled: 05/12/2014 1134
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 90

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Trichloroethene	3700		ug/Kg Dry	6.6	160	100
Trichlorofluoromethane	160	U	ug/Kg Dry	9.0	160	100
Vinyl chloride	160	U	ug/Kg Dry	5.1	160	100
Xylenes, Total	330	U	ug/Kg Dry	16	330	100
1,1,1-Trichloroethane	160	U	ug/Kg Dry	4.1	160	100
Freon 113	160	U	ug/Kg Dry	4.9	160	100
1,1,2-Trichloroethane	160	U	ug/Kg Dry	5.4	160	100
1,1-Dichloroethane	160	U	ug/Kg Dry	2.3	160	100
1,1-Dichloroethene	160	U	ug/Kg Dry	5.4	160	100
1,1-Dichloropropene	160	U	ug/Kg Dry	8.4	160	100
1,2-Dibromo-3-Chloropropane	160	U	ug/Kg Dry	5.1	160	100
1,2-Dichloroethane	160	U	ug/Kg Dry	3.3	160	100
1,2-Dichloropropane	160	U	ug/Kg Dry	3.1	160	100
1,3-Dichloropropane	160	U	ug/Kg Dry	3.6	160	100
2,2-Dichloropropane	160	U	ug/Kg Dry	3.6	160	100
1,2-Dibromoethane	160	U	ug/Kg Dry	5.3	160	100
2-Butanone (MEK)	160	U	ug/Kg Dry	49	160	100
1,1,2,2-Tetrachloroethane	160	U	ug/Kg Dry	3.3	160	100
1,2,3-Trichloropropane	160	U	ug/Kg Dry	3.6	160	100
Tetrahydrofuran	160	U	ug/Kg Dry	27	160	100

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	94	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	86	%	73 - 128
4-Bromofluorobenzene	102	%	49 - 138

Method: **8260C** **Run Type: DL**
Prep Method: **5035-H**

Date Analyzed: 05/21/2014 1652
Date Prepared: 05/21/2014 1207

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Tetrachloroethene	1100000	D	ug/Kg Dry	1600	16000	10000

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Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-47-12-14-051214**
Lab Sample ID: **420-77953-7**

Date Sampled: 05/12/2014 1130
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 88

Analyte	Result	Qualifier	Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	05/21/2014 1541		
Prep Method: 5035-H			Date Prepared:	05/21/2014 1207		
1,2,3-Trichlorobenzene	180	U	ug/Kg Dry	13	180	100
1,2,4-Trichlorobenzene	180	U	ug/Kg Dry	13	180	100
1,2-Dichlorobenzene	180	U	ug/Kg Dry	5.7	180	100
1,3,5-Trimethylbenzene	180	U	ug/Kg Dry	9.4	180	100
1,3-Dichlorobenzene	180	U	ug/Kg Dry	8.1	180	100
1,4-Dichlorobenzene	180	U	ug/Kg Dry	9.4	180	100
1,4-Dioxane	270	U *	ug/Kg Dry	230	270	100
2-Hexanone	180	U	ug/Kg Dry	28	180	100
Acetone	880	U	ug/Kg Dry	37	880	100
Benzene	180	U	ug/Kg Dry	3.5	180	100
Bromoform	180	U	ug/Kg Dry	2.8	180	100
Bromomethane	180	U *	ug/Kg Dry	2.7	180	100
Carbon disulfide	180	U	ug/Kg Dry	5.8	180	100
Carbon tetrachloride	180	U	ug/Kg Dry	5.7	180	100
Chlorobenzene	180	U	ug/Kg Dry	5.5	180	100
Chlorobromomethane	180	U	ug/Kg Dry	5.5	180	100
Chlorodibromomethane	180	U	ug/Kg Dry	4.2	180	100
Chloroethane	180	U *	ug/Kg Dry	6.2	180	100
Chloroform	180	U	ug/Kg Dry	3.2	180	100
Chloromethane	180	U	ug/Kg Dry	4.1	180	100
cis-1,2-Dichloroethene	350		ug/Kg Dry	3.5	180	100
cis-1,3-Dichloropropene	180	U	ug/Kg Dry	3.2	180	100
Dibromomethane	180	U	ug/Kg Dry	5.7	180	100
Bromodichloromethane	180	U	ug/Kg Dry	1.6	180	100
Dichlorodifluoromethane	180	U	ug/Kg Dry	17	180	100
Ethyl methacrylate	180	U	ug/Kg Dry	3.0	180	100
Ethylbenzene	180	U	ug/Kg Dry	6.9	180	100
Isopropylbenzene	180	U	ug/Kg Dry	8.0	180	100
m-Xylene & p-Xylene	350	U	ug/Kg Dry	16	350	100
4-Methyl-2-pentanone (MIBK)	180	U	ug/Kg Dry	28	180	100
Methyl tert-butyl ether	180	U	ug/Kg Dry	2.7	180	100
Methylene Chloride	180	U	ug/Kg Dry	5.3	180	100
o-Xylene	350	U	ug/Kg Dry	4.6	350	100
Styrene	180	U	ug/Kg Dry	4.2	180	100
Tetrachloroethene	48000	E	ug/Kg Dry	18	180	100
Toluene	180	U	ug/Kg Dry	3.5	180	100
trans-1,2-Dichloroethene	180	U	ug/Kg Dry	6.4	180	100
trans-1,3-Dichloropropene	180	U	ug/Kg Dry	2.8	180	100
trans-1,4-Dichloro-2-butene	180	U	ug/Kg Dry	14	180	100

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Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-47-12-14-051214**
Lab Sample ID: **420-77953-7**

Date Sampled: 05/12/2014 1130
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 88

Analyte	Result	Qualifier	Unit	MDL	RL	Dilution
Trichloroethene	130	J	ug/Kg Dry	7.1	180	100
Trichlorofluoromethane	180	U	ug/Kg Dry	9.7	180	100
Vinyl chloride	180	U	ug/Kg Dry	5.5	180	100
Xylenes, Total	350	U	ug/Kg Dry	18	350	100
1,1,1-Trichloroethane	180	U	ug/Kg Dry	4.4	180	100
Freon 113	180	U	ug/Kg Dry	5.3	180	100
1,1,2-Trichloroethane	180	U	ug/Kg Dry	5.8	180	100
1,1-Dichloroethane	180	U	ug/Kg Dry	2.5	180	100
1,1-Dichloroethene	180	U	ug/Kg Dry	5.8	180	100
1,1-Dichloropropene	180	U	ug/Kg Dry	9.0	180	100
1,2-Dibromo-3-Chloropropane	180	U	ug/Kg Dry	5.5	180	100
1,2-Dichloroethane	180	U	ug/Kg Dry	3.5	180	100
1,2-Dichloropropane	180	U	ug/Kg Dry	3.4	180	100
1,3-Dichloropropane	180	U	ug/Kg Dry	3.9	180	100
2,2-Dichloropropane	180	U	ug/Kg Dry	3.9	180	100
1,2-Dibromoethane	180	U	ug/Kg Dry	5.7	180	100
2-Butanone (MEK)	180	U	ug/Kg Dry	53	180	100
1,1,2,2-Tetrachloroethane	180	U	ug/Kg Dry	3.5	180	100
1,2,3-Trichloropropane	180	U	ug/Kg Dry	3.9	180	100
Tetrahydrofuran	180	U	ug/Kg Dry	29	180	100

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	88	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	83	%	73 - 128
4-Bromofluorobenzene	90	%	49 - 138

Method: 8260C Run Type: DL Date Analyzed: 05/21/2014 1616
Prep Method: 5035-H Date Prepared: 05/21/2014 1207

Analyte	Result	Qualifier	Unit	MDL	RL	Dilution
Tetrachloroethene	52000	D	ug/Kg Dry	180	1800	1000

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Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-47-18-20-051214**
Lab Sample ID: **420-77953-8**

Date Sampled: 05/12/2014 1132
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 89

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	05/21/2014 1938		
Prep Method: 5035-H			Date Prepared:	05/21/2014 1207		
1,2,3-Trichlorobenzene	220	U	ug/Kg Dry	16	220	100
1,2,4-Trichlorobenzene	220	U	ug/Kg Dry	16	220	100
1,2-Dichlorobenzene	220	U	ug/Kg Dry	6.9	220	100
1,3,5-Trimethylbenzene	220	U	ug/Kg Dry	11	220	100
1,3-Dichlorobenzene	220	U	ug/Kg Dry	9.9	220	100
1,4-Dichlorobenzene	220	U	ug/Kg Dry	11	220	100
1,4-Dioxane	320	U	ug/Kg Dry	280	320	100
2-Hexanone	220	U	ug/Kg Dry	35	220	100
Acetone	1100	U	ug/Kg Dry	45	1100	100
Benzene	220	U	ug/Kg Dry	4.3	220	100
Bromoform	220	U	ug/Kg Dry	3.5	220	100
Bromomethane	220	U	ug/Kg Dry	3.2	220	100
Carbon disulfide	220	U	ug/Kg Dry	7.1	220	100
Carbon tetrachloride	220	U	ug/Kg Dry	6.9	220	100
Chlorobenzene	220	U	ug/Kg Dry	6.7	220	100
Chlorobromomethane	220	U	ug/Kg Dry	6.7	220	100
Chlorodibromomethane	220	U	ug/Kg Dry	5.2	220	100
Chloroethane	220	U	ug/Kg Dry	7.6	220	100
Chloroform	220	U	ug/Kg Dry	3.9	220	100
Chloromethane	220	U	ug/Kg Dry	5.0	220	100
cis-1,2-Dichloroethene	220	U	ug/Kg Dry	4.3	220	100
cis-1,3-Dichloropropene	220	U	ug/Kg Dry	3.9	220	100
Dibromomethane	220	U	ug/Kg Dry	6.9	220	100
Bromodichloromethane	220	U	ug/Kg Dry	1.9	220	100
Dichlorodifluoromethane	220	U	ug/Kg Dry	21	220	100
Ethyl methacrylate	220	U	ug/Kg Dry	3.7	220	100
Ethylbenzene	220	U	ug/Kg Dry	8.4	220	100
Isopropylbenzene	220	U	ug/Kg Dry	9.7	220	100
m-Xylene & p-Xylene	430	U	ug/Kg Dry	19	430	100
4-Methyl-2-pentanone (MIBK)	220	U	ug/Kg Dry	35	220	100
Methyl tert-butyl ether	220	U	ug/Kg Dry	3.2	220	100
Methylene Chloride	220	U	ug/Kg Dry	6.5	220	100
o-Xylene	430	U	ug/Kg Dry	5.6	430	100
Styrene	220	U	ug/Kg Dry	5.2	220	100
Tetrachloroethene	15000		ug/Kg Dry	22	220	100
Toluene	220	U	ug/Kg Dry	4.3	220	100
trans-1,2-Dichloroethene	220	U	ug/Kg Dry	7.8	220	100
trans-1,3-Dichloropropene	220	U	ug/Kg Dry	3.5	220	100
trans-1,4-Dichloro-2-butene	220	U	ug/Kg Dry	17	220	100

Jane Daloia
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-47-18-20-051214**
Lab Sample ID: **420-77953-8**

Date Sampled: 05/12/2014 1132
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 89

Analyte	**Result/Qualifier**		**Unit**	**MDL**	**RL**	**Dilution**
Trichloroethene	110	J	ug/Kg Dry	8.6	220	100
Trichlorofluoromethane	220	U	ug/Kg Dry	12	220	100
Vinyl chloride	220	U	ug/Kg Dry	6.7	220	100
Xylenes, Total	430	U	ug/Kg Dry	22	430	100
1,1,1-Trichloroethane	220	U	ug/Kg Dry	5.4	220	100
Freon 113	220	U	ug/Kg Dry	6.5	220	100
1,1,2-Trichloroethane	220	U	ug/Kg Dry	7.1	220	100
1,1-Dichloroethane	220	U	ug/Kg Dry	3.0	220	100
1,1-Dichloroethene	220	U	ug/Kg Dry	7.1	220	100
1,1-Dichloropropene	220	U	ug/Kg Dry	11	220	100
1,2-Dibromo-3-Chloropropane	220	U	ug/Kg Dry	6.7	220	100
1,2-Dichloroethane	220	U	ug/Kg Dry	4.3	220	100
1,2-Dichloropropane	220	U	ug/Kg Dry	4.1	220	100
1,3-Dichloropropane	220	U	ug/Kg Dry	4.8	220	100
2,2-Dichloropropane	220	U	ug/Kg Dry	4.8	220	100
1,2-Dibromoethane	220	U	ug/Kg Dry	6.9	220	100
2-Butanone (MEK)	220	U	ug/Kg Dry	65	220	100
1,1,2,2-Tetrachloroethane	220	U	ug/Kg Dry	4.3	220	100
1,2,3-Trichloropropane	220	U	ug/Kg Dry	4.8	220	100
Tetrahydrofuran	220	U	ug/Kg Dry	35	220	100

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	95	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	92	%	73 - 128
4-Bromofluorobenzene	100	%	49 - 138

Jane Daloia
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Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-48-10-12-051214**
Lab Sample ID: **420-77953-9**

Date Sampled: 05/12/2014 1740
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 88

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	05/21/2014 1650		
Prep Method: 5035-H			Date Prepared:	05/21/2014 1207		
1,2,3-Trichlorobenzene	180	U	ug/Kg Dry	13	180	100
1,2,4-Trichlorobenzene	180	U	ug/Kg Dry	13	180	100
1,2-Dichlorobenzene	180	U	ug/Kg Dry	5.6	180	100
1,3,5-Trimethylbenzene	180	U	ug/Kg Dry	9.3	180	100
1,3-Dichlorobenzene	180	U	ug/Kg Dry	8.1	180	100
1,4-Dichlorobenzene	180	U	ug/Kg Dry	9.3	180	100
1,4-Dioxane	260	U	ug/Kg Dry	230	260	100
2-Hexanone	180	U	ug/Kg Dry	28	180	100
Acetone	880	U	ug/Kg Dry	37	880	100
Benzene	180	U	ug/Kg Dry	3.5	180	100
Bromoform	180	U	ug/Kg Dry	2.8	180	100
Bromomethane	180	U	ug/Kg Dry	2.6	180	100
Carbon disulfide	180	U	ug/Kg Dry	5.8	180	100
Carbon tetrachloride	180	U	ug/Kg Dry	5.6	180	100
Chlorobenzene	180	U	ug/Kg Dry	5.4	180	100
Chlorobromomethane	180	U	ug/Kg Dry	5.4	180	100
Chlorodibromomethane	180	U	ug/Kg Dry	4.2	180	100
Chloroethane	180	U	ug/Kg Dry	6.1	180	100
Chloroform	180	U	ug/Kg Dry	3.2	180	100
Chloromethane	180	U	ug/Kg Dry	4.0	180	100
cis-1,2-Dichloroethene	160	J	ug/Kg Dry	3.5	180	100
cis-1,3-Dichloropropene	180	U	ug/Kg Dry	3.2	180	100
Dibromomethane	180	U	ug/Kg Dry	5.6	180	100
Bromodichloromethane	180	U	ug/Kg Dry	1.6	180	100
Dichlorodifluoromethane	180	U	ug/Kg Dry	17	180	100
Ethyl methacrylate	180	U	ug/Kg Dry	3.0	180	100
Ethylbenzene	180	U	ug/Kg Dry	6.8	180	100
Isopropylbenzene	180	U	ug/Kg Dry	7.9	180	100
m-Xylene & p-Xylene	350	U	ug/Kg Dry	16	350	100
4-Methyl-2-pentanone (MIBK)	180	U	ug/Kg Dry	28	180	100
Methyl tert-butyl ether	180	U	ug/Kg Dry	2.6	180	100
Methylene Chloride	180	U	ug/Kg Dry	5.3	180	100
o-Xylene	350	U	ug/Kg Dry	4.6	350	100
Styrene	180	U	ug/Kg Dry	4.2	180	100
Tetrachloroethene	15000		ug/Kg Dry	18	180	100
Toluene	180	U	ug/Kg Dry	3.5	180	100
trans-1,2-Dichloroethene	180	U	ug/Kg Dry	6.3	180	100
trans-1,3-Dichloropropene	180	U	ug/Kg Dry	2.8	180	100
trans-1,4-Dichloro-2-butene	180	U	ug/Kg Dry	14	180	100

Jane Daloia
Paradigm Environmental Services, Inc.
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Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-48-10-12-051214**
Lab Sample ID: **420-77953-9**

Date Sampled: 05/12/2014 1740
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 88

Analyte	Result	Qualifier	Unit	MDL	RL	Dilution
Trichloroethene	44	J	ug/Kg Dry	7.0	180	100
Trichlorofluoromethane	180	U	ug/Kg Dry	9.7	180	100
Vinyl chloride	180	U	ug/Kg Dry	5.4	180	100
Xylenes, Total	350	U	ug/Kg Dry	18	350	100
1,1,1-Trichloroethane	180	U	ug/Kg Dry	4.4	180	100
Freon 113	180	U	ug/Kg Dry	5.3	180	100
1,1,2-Trichloroethane	180	U	ug/Kg Dry	5.8	180	100
1,1-Dichloroethane	180	U	ug/Kg Dry	2.5	180	100
1,1-Dichloroethene	180	U	ug/Kg Dry	5.8	180	100
1,1-Dichloropropene	180	U	ug/Kg Dry	9.0	180	100
1,2-Dibromo-3-Chloropropane	180	U	ug/Kg Dry	5.4	180	100
1,2-Dichloroethane	180	U	ug/Kg Dry	3.5	180	100
1,2-Dichloropropane	180	U	ug/Kg Dry	3.3	180	100
1,3-Dichloropropane	180	U	ug/Kg Dry	3.9	180	100
2,2-Dichloropropane	180	U	ug/Kg Dry	3.9	180	100
1,2-Dibromoethane	180	U	ug/Kg Dry	5.6	180	100
2-Butanone (MEK)	180	U	ug/Kg Dry	53	180	100
1,1,2,2-Tetrachloroethane	180	U	ug/Kg Dry	3.5	180	100
1,2,3-Trichloropropane	180	U	ug/Kg Dry	3.9	180	100
Tetrahydrofuran	180	U	ug/Kg Dry	29	180	100

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	93	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	93	%	73 - 128
4-Bromofluorobenzene	102	%	49 - 138

Jane Daloia
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Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-48-18-20-051214**
Lab Sample ID: **420-77953-10**

Date Sampled: 05/12/2014 1315
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 88

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	05/21/2014 1718		
Prep Method: 5035-H			Date Prepared:	05/21/2014 1207		
1,2,3-Trichlorobenzene	200	U	ug/Kg Dry	15	200	100
1,2,4-Trichlorobenzene	200	U	ug/Kg Dry	15	200	100
1,2-Dichlorobenzene	200	U	ug/Kg Dry	6.5	200	100
1,3,5-Trimethylbenzene	200	U	ug/Kg Dry	11	200	100
1,3-Dichlorobenzene	200	U	ug/Kg Dry	9.4	200	100
1,4-Dichlorobenzene	200	U	ug/Kg Dry	11	200	100
1,4-Dioxane	310	U	ug/Kg Dry	260	310	100
2-Hexanone	200	U	ug/Kg Dry	33	200	100
Acetone	1000	U	ug/Kg Dry	43	1000	100
Benzene	200	U	ug/Kg Dry	4.1	200	100
Bromoform	200	U	ug/Kg Dry	3.3	200	100
Bromomethane	200	U	ug/Kg Dry	3.1	200	100
Carbon disulfide	200	U	ug/Kg Dry	6.7	200	100
Carbon tetrachloride	200	U	ug/Kg Dry	6.5	200	100
Chlorobenzene	200	U	ug/Kg Dry	6.3	200	100
Chlorobromomethane	200	U	ug/Kg Dry	6.3	200	100
Chlorodibromomethane	200	U	ug/Kg Dry	4.9	200	100
Chloroethane	200	U	ug/Kg Dry	7.1	200	100
Chloroform	200	U	ug/Kg Dry	3.7	200	100
Chloromethane	200	U	ug/Kg Dry	4.7	200	100
cis-1,2-Dichloroethene	57	J	ug/Kg Dry	4.1	200	100
cis-1,3-Dichloropropene	200	U	ug/Kg Dry	3.7	200	100
Dibromomethane	200	U	ug/Kg Dry	6.5	200	100
Bromodichloromethane	200	U	ug/Kg Dry	1.8	200	100
Dichlorodifluoromethane	200	U	ug/Kg Dry	19	200	100
Ethyl methacrylate	200	U	ug/Kg Dry	3.5	200	100
Ethylbenzene	200	U	ug/Kg Dry	7.9	200	100
Isopropylbenzene	200	U	ug/Kg Dry	9.2	200	100
m-Xylene & p-Xylene	410	U	ug/Kg Dry	18	410	100
4-Methyl-2-pentanone (MIBK)	200	U	ug/Kg Dry	33	200	100
Methyl tert-butyl ether	200	U	ug/Kg Dry	3.1	200	100
Methylene Chloride	200	U	ug/Kg Dry	6.1	200	100
o-Xylene	410	U	ug/Kg Dry	5.3	410	100
Styrene	200	U	ug/Kg Dry	4.9	200	100
Tetrachloroethene	57000	E	ug/Kg Dry	20	200	100
Toluene	200	U	ug/Kg Dry	4.1	200	100
trans-1,2-Dichloroethene	200	U	ug/Kg Dry	7.3	200	100
trans-1,3-Dichloropropene	200	U	ug/Kg Dry	3.3	200	100
trans-1,4-Dichloro-2-butene	200	U	ug/Kg Dry	16	200	100

Jane Daloia
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-48-18-20-051214**
Lab Sample ID: **420-77953-10**

Date Sampled: 05/12/2014 1315
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 88

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Trichloroethene	120	J	ug/Kg Dry	8.2	200	100
Trichlorofluoromethane	200	U	ug/Kg Dry	11	200	100
Vinyl chloride	200	U	ug/Kg Dry	6.3	200	100
Xylenes, Total	410	U	ug/Kg Dry	20	410	100
1,1,1-Trichloroethane	200	U	ug/Kg Dry	5.1	200	100
Freon 113	200	U	ug/Kg Dry	6.1	200	100
1,1,2-Trichloroethane	200	U	ug/Kg Dry	6.7	200	100
1,1-Dichloroethane	200	U	ug/Kg Dry	2.9	200	100
1,1-Dichloroethene	200	U	ug/Kg Dry	6.7	200	100
1,1-Dichloropropene	200	U	ug/Kg Dry	10	200	100
1,2-Dibromo-3-Chloropropane	200	U	ug/Kg Dry	6.3	200	100
1,2-Dichloroethane	200	U	ug/Kg Dry	4.1	200	100
1,2-Dichloropropane	200	U	ug/Kg Dry	3.9	200	100
1,3-Dichloropropane	200	U	ug/Kg Dry	4.5	200	100
2,2-Dichloropropane	200	U	ug/Kg Dry	4.5	200	100
1,2-Dibromoethane	200	U	ug/Kg Dry	6.5	200	100
2-Butanone (MEK)	200	U	ug/Kg Dry	61	200	100
1,1,2,2-Tetrachloroethane	200	U	ug/Kg Dry	4.1	200	100
1,2,3-Trichloropropane	200	U	ug/Kg Dry	4.5	200	100
Tetrahydrofuran	200	U	ug/Kg Dry	33	200	100

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	93	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	92	%	73 - 128
4-Bromofluorobenzene	103	%	49 - 138

Method: 8260C Run Type: DL
Prep Method: 5035-H

Date Analyzed: 05/21/2014 2006
Date Prepared: 05/21/2014 1207

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Tetrachloroethene	48000	D	ug/Kg Dry	200	2000	1000

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Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-49-12-14-051214**
Lab Sample ID: **420-77953-11**

Date Sampled: 05/12/2014 1450
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 88

Analyte	Result	Qualifier	Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	05/21/2014 1746		
Prep Method: 5035-H			Date Prepared:	05/21/2014 1207		
1,2,3-Trichlorobenzene	180	U	ug/Kg Dry	13	180	100
1,2,4-Trichlorobenzene	180	U	ug/Kg Dry	13	180	100
1,2-Dichlorobenzene	180	U	ug/Kg Dry	5.7	180	100
1,3,5-Trimethylbenzene	180	U	ug/Kg Dry	9.5	180	100
1,3-Dichlorobenzene	180	U	ug/Kg Dry	8.2	180	100
1,4-Dichlorobenzene	180	U	ug/Kg Dry	9.5	180	100
1,4-Dioxane	270	U	ug/Kg Dry	230	270	100
2-Hexanone	180	U	ug/Kg Dry	29	180	100
Acetone	890	U	ug/Kg Dry	38	890	100
Benzene	180	U	ug/Kg Dry	3.6	180	100
Bromoform	180	U	ug/Kg Dry	2.9	180	100
Bromomethane	180	U	ug/Kg Dry	2.7	180	100
Carbon disulfide	180	U	ug/Kg Dry	5.9	180	100
Carbon tetrachloride	180	U	ug/Kg Dry	5.7	180	100
Chlorobenzene	180	U	ug/Kg Dry	5.5	180	100
Chlorobromomethane	180	U	ug/Kg Dry	5.5	180	100
Chlorodibromomethane	180	U	ug/Kg Dry	4.3	180	100
Chloroethane	180	U	ug/Kg Dry	6.3	180	100
Chloroform	180	U	ug/Kg Dry	3.2	180	100
Chloromethane	180	U	ug/Kg Dry	4.1	180	100
cis-1,2-Dichloroethene	530		ug/Kg Dry	3.6	180	100
cis-1,3-Dichloropropene	180	U	ug/Kg Dry	3.2	180	100
Dibromomethane	180	U	ug/Kg Dry	5.7	180	100
Bromodichloromethane	180	U	ug/Kg Dry	1.6	180	100
Dichlorodifluoromethane	180	U	ug/Kg Dry	17	180	100
Ethyl methacrylate	180	U	ug/Kg Dry	3.0	180	100
Ethylbenzene	180	U	ug/Kg Dry	7.0	180	100
Isopropylbenzene	180	U	ug/Kg Dry	8.0	180	100
m-Xylene & p-Xylene	360	U	ug/Kg Dry	16	360	100
4-Methyl-2-pentanone (MIBK)	180	U	ug/Kg Dry	29	180	100
Methyl tert-butyl ether	180	U	ug/Kg Dry	2.7	180	100
Methylene Chloride	180	U	ug/Kg Dry	5.4	180	100
o-Xylene	360	U	ug/Kg Dry	4.6	360	100
Styrene	180	U	ug/Kg Dry	4.3	180	100
Tetrachloroethene	7800		ug/Kg Dry	18	180	100
Toluene	180	U	ug/Kg Dry	3.6	180	100
trans-1,2-Dichloroethene	180	U	ug/Kg Dry	6.4	180	100
trans-1,3-Dichloropropene	180	U	ug/Kg Dry	2.9	180	100
trans-1,4-Dichloro-2-butene	180	U	ug/Kg Dry	14	180	100

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Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-49-12-14-051214**
Lab Sample ID: **420-77953-11**

Date Sampled: 05/12/2014 1450
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 88

Analyte	Result	Qualifier	Unit	MDL	RL	Dilution
Trichloroethene	300		ug/Kg Dry	7.2	180	100
Trichlorofluoromethane	180	U	ug/Kg Dry	9.8	180	100
Vinyl chloride	180	U	ug/Kg Dry	5.5	180	100
Xylenes, Total	360	U	ug/Kg Dry	18	360	100
1,1,1-Trichloroethane	180	U	ug/Kg Dry	4.5	180	100
Freon 113	180	U	ug/Kg Dry	5.4	180	100
1,1,2-Trichloroethane	180	U	ug/Kg Dry	5.9	180	100
1,1-Dichloroethane	180	U	ug/Kg Dry	2.5	180	100
1,1-Dichloroethene	180	U	ug/Kg Dry	5.9	180	100
1,1-Dichloropropene	180	U	ug/Kg Dry	9.1	180	100
1,2-Dibromo-3-Chloropropane	180	U	ug/Kg Dry	5.5	180	100
1,2-Dichloroethane	180	U	ug/Kg Dry	3.6	180	100
1,2-Dichloropropane	180	U	ug/Kg Dry	3.4	180	100
1,3-Dichloropropane	180	U	ug/Kg Dry	3.9	180	100
2,2-Dichloropropane	180	U	ug/Kg Dry	3.9	180	100
1,2-Dibromoethane	180	U	ug/Kg Dry	5.7	180	100
2-Butanone (MEK)	180	U	ug/Kg Dry	54	180	100
1,1,2,2-Tetrachloroethane	180	U	ug/Kg Dry	3.6	180	100
1,2,3-Trichloropropane	180	U	ug/Kg Dry	3.9	180	100
Tetrahydrofuran	180	U	ug/Kg Dry	29	180	100

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	93	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	92	%	73 - 128
4-Bromofluorobenzene	102	%	49 - 138

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Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SS-49-18-20-051214**
Lab Sample ID: **420-77953-12**

Date Sampled: 05/12/2014 1745
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 91

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	05/21/2014 1814		
Prep Method: 5035-H			Date Prepared:	05/21/2014 1207		
1,2,3-Trichlorobenzene	160	U	ug/Kg Dry	12	160	100
1,2,4-Trichlorobenzene	160	U	ug/Kg Dry	12	160	100
1,2-Dichlorobenzene	160	U	ug/Kg Dry	5.2	160	100
1,3,5-Trimethylbenzene	160	U	ug/Kg Dry	8.5	160	100
1,3-Dichlorobenzene	160	U	ug/Kg Dry	7.4	160	100
1,4-Dichlorobenzene	160	U	ug/Kg Dry	8.5	160	100
1,4-Dioxane	240	U	ug/Kg Dry	210	240	100
2-Hexanone	160	U	ug/Kg Dry	26	160	100
Acetone	810	U	ug/Kg Dry	34	810	100
Benzene	160	U	ug/Kg Dry	3.2	160	100
Bromoform	160	U	ug/Kg Dry	2.6	160	100
Bromomethane	160	U	ug/Kg Dry	2.4	160	100
Carbon disulfide	160	U	ug/Kg Dry	5.3	160	100
Carbon tetrachloride	160	U	ug/Kg Dry	5.2	160	100
Chlorobenzene	160	U	ug/Kg Dry	5.0	160	100
Chlorobromomethane	160	U	ug/Kg Dry	5.0	160	100
Chlorodibromomethane	160	U	ug/Kg Dry	3.9	160	100
Chloroethane	160	U	ug/Kg Dry	5.6	160	100
Chloroform	160	U	ug/Kg Dry	2.9	160	100
Chloromethane	160	U	ug/Kg Dry	3.7	160	100
cis-1,2-Dichloroethene	160	U	ug/Kg Dry	3.2	160	100
cis-1,3-Dichloropropene	160	U	ug/Kg Dry	2.9	160	100
Dibromomethane	160	U	ug/Kg Dry	5.2	160	100
Bromodichloromethane	160	U	ug/Kg Dry	1.4	160	100
Dichlorodifluoromethane	160	U	ug/Kg Dry	15	160	100
Ethyl methacrylate	160	U	ug/Kg Dry	2.7	160	100
Ethylbenzene	160	U	ug/Kg Dry	6.3	160	100
Isopropylbenzene	160	U	ug/Kg Dry	7.2	160	100
m-Xylene & p-Xylene	320	U	ug/Kg Dry	14	320	100
4-Methyl-2-pentanone (MIBK)	160	U	ug/Kg Dry	26	160	100
Methyl tert-butyl ether	160	U	ug/Kg Dry	2.4	160	100
Methylene Chloride	160	U	ug/Kg Dry	4.8	160	100
o-Xylene	320	U	ug/Kg Dry	4.2	320	100
Styrene	160	U	ug/Kg Dry	3.9	160	100
Tetrachloroethene	55000	E	ug/Kg Dry	16	160	100
Toluene	160	U	ug/Kg Dry	3.2	160	100
trans-1,2-Dichloroethene	160	U	ug/Kg Dry	5.8	160	100
trans-1,3-Dichloropropene	160	U	ug/Kg Dry	2.6	160	100
trans-1,4-Dichloro-2-butene	160	U	ug/Kg Dry	13	160	100

Jane Daloia
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-49-18-20-051214**
Lab Sample ID: **420-77953-12**

Date Sampled: 05/12/2014 1745
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 91

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Trichloroethene	140	J	ug/Kg Dry	6.4	160	100
Trichlorofluoromethane	160	U	ug/Kg Dry	8.9	160	100
Vinyl chloride	160	U	ug/Kg Dry	5.0	160	100
Xylenes, Total	320	U	ug/Kg Dry	16	320	100
1,1,1-Trichloroethane	160	U	ug/Kg Dry	4.0	160	100
Freon 113	160	U	ug/Kg Dry	4.8	160	100
1,1,2-Trichloroethane	160	U	ug/Kg Dry	5.3	160	100
1,1-Dichloroethane	160	U	ug/Kg Dry	2.3	160	100
1,1-Dichloroethene	160	U	ug/Kg Dry	5.3	160	100
1,1-Dichloropropene	160	U	ug/Kg Dry	8.2	160	100
1,2-Dibromo-3-Chloropropane	160	U	ug/Kg Dry	5.0	160	100
1,2-Dichloroethane	160	U	ug/Kg Dry	3.2	160	100
1,2-Dichloropropane	160	U	ug/Kg Dry	3.1	160	100
1,3-Dichloropropane	160	U	ug/Kg Dry	3.5	160	100
2,2-Dichloropropane	160	U	ug/Kg Dry	3.5	160	100
1,2-Dibromoethane	160	U	ug/Kg Dry	5.2	160	100
2-Butanone (MEK)	160	U	ug/Kg Dry	48	160	100
1,1,2,2-Tetrachloroethane	160	U	ug/Kg Dry	3.2	160	100
1,2,3-Trichloropropane	160	U	ug/Kg Dry	3.5	160	100
Tetrahydrofuran	160	U	ug/Kg Dry	26	160	100

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	94	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	91	%	73 - 128
4-Bromofluorobenzene	103	%	49 - 138

Method: 8260C Run Type: DL Date Analyzed: 05/21/2014 2102
Prep Method: 5035-H Date Prepared: 05/21/2014 1207

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Tetrachloroethene	52000	D	ug/Kg Dry	320	3200	2000

Jane Daloia
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-50-8-10-051214**
Lab Sample ID: **420-77953-13**

Date Sampled: 05/12/2014 1750
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 89

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	05/21/2014 1842		
Prep Method: 5035-H			Date Prepared:	05/21/2014 1207		
1,2,3-Trichlorobenzene	170	U	ug/Kg Dry	13	170	100
1,2,4-Trichlorobenzene	170	U	ug/Kg Dry	13	170	100
1,2-Dichlorobenzene	170	U	ug/Kg Dry	5.6	170	100
1,3,5-Trimethylbenzene	170	U	ug/Kg Dry	9.2	170	100
1,3-Dichlorobenzene	170	U	ug/Kg Dry	8.0	170	100
1,4-Dichlorobenzene	170	U	ug/Kg Dry	9.2	170	100
1,4-Dioxane	260	U	ug/Kg Dry	230	260	100
2-Hexanone	170	U	ug/Kg Dry	28	170	100
Acetone	870	U	ug/Kg Dry	37	870	100
Benzene	170	U	ug/Kg Dry	3.5	170	100
Bromoform	170	U	ug/Kg Dry	2.8	170	100
Bromomethane	170	U	ug/Kg Dry	2.6	170	100
Carbon disulfide	170	U	ug/Kg Dry	5.7	170	100
Carbon tetrachloride	170	U	ug/Kg Dry	5.6	170	100
Chlorobenzene	170	U	ug/Kg Dry	5.4	170	100
Chlorobromomethane	170	U	ug/Kg Dry	5.4	170	100
Chlorodibromomethane	170	U	ug/Kg Dry	4.2	170	100
Chloroethane	170	U	ug/Kg Dry	6.1	170	100
Chloroform	170	U	ug/Kg Dry	3.1	170	100
Chloromethane	170	U	ug/Kg Dry	4.0	170	100
cis-1,2-Dichloroethene	170	U	ug/Kg Dry	3.5	170	100
cis-1,3-Dichloropropene	170	U	ug/Kg Dry	3.1	170	100
Dibromomethane	170	U	ug/Kg Dry	5.6	170	100
Bromodichloromethane	170	U	ug/Kg Dry	1.6	170	100
Dichlorodifluoromethane	170	U	ug/Kg Dry	17	170	100
Ethyl methacrylate	170	U	ug/Kg Dry	3.0	170	100
Ethylbenzene	170	U	ug/Kg Dry	6.8	170	100
Isopropylbenzene	170	U	ug/Kg Dry	7.8	170	100
m-Xylene & p-Xylene	350	U	ug/Kg Dry	16	350	100
4-Methyl-2-pentanone (MIBK)	170	U	ug/Kg Dry	28	170	100
Methyl tert-butyl ether	170	U	ug/Kg Dry	2.6	170	100
Methylene Chloride	170	U	ug/Kg Dry	5.2	170	100
o-Xylene	350	U	ug/Kg Dry	4.5	350	100
Styrene	170	U	ug/Kg Dry	4.2	170	100
Tetrachloroethene	940		ug/Kg Dry	17	170	100
Toluene	170	U	ug/Kg Dry	3.5	170	100
trans-1,2-Dichloroethene	170	U	ug/Kg Dry	6.3	170	100
trans-1,3-Dichloropropene	170	U	ug/Kg Dry	2.8	170	100
trans-1,4-Dichloro-2-butene	170	U	ug/Kg Dry	14	170	100

Jane Daloia
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-50-8-10-051214**
Lab Sample ID: **420-77953-13**

Date Sampled: 05/12/2014 1750
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 89

Analyte	**Result/Qualifier**		**Unit**	**MDL**	**RL**	**Dilution**
Trichloroethene	45	J	ug/Kg Dry	7.0	170	100
Trichlorofluoromethane	170	U	ug/Kg Dry	9.6	170	100
Vinyl chloride	170	U	ug/Kg Dry	5.4	170	100
Xylenes, Total	350	U	ug/Kg Dry	17	350	100
1,1,1-Trichloroethane	170	U	ug/Kg Dry	4.3	170	100
Freon 113	170	U	ug/Kg Dry	5.2	170	100
1,1,2-Trichloroethane	170	U	ug/Kg Dry	5.7	170	100
1,1-Dichloroethane	170	U	ug/Kg Dry	2.4	170	100
1,1-Dichloroethene	170	U	ug/Kg Dry	5.7	170	100
1,1-Dichloropropene	170	U	ug/Kg Dry	8.9	170	100
1,2-Dibromo-3-Chloropropane	170	U	ug/Kg Dry	5.4	170	100
1,2-Dichloroethane	170	U	ug/Kg Dry	3.5	170	100
1,2-Dichloropropane	170	U	ug/Kg Dry	3.3	170	100
1,3-Dichloropropane	170	U	ug/Kg Dry	3.8	170	100
2,2-Dichloropropane	170	U	ug/Kg Dry	3.8	170	100
1,2-Dibromoethane	170	U	ug/Kg Dry	5.6	170	100
2-Butanone (MEK)	170	U	ug/Kg Dry	52	170	100
1,1,2,2-Tetrachloroethane	170	U	ug/Kg Dry	3.5	170	100
1,2,3-Trichloropropane	170	U	ug/Kg Dry	3.8	170	100
Tetrahydrofuran	170	U	ug/Kg Dry	29	170	100

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	95	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	87	%	73 - 128
4-Bromofluorobenzene	100	%	49 - 138

Jane Daloia
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-51-10-12-051214**
Lab Sample ID: **420-77953-14**

Date Sampled: 05/12/2014 1710
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 85

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	05/21/2014 1910		
Prep Method: 5035-H			Date Prepared:	05/21/2014 1207		
1,2,3-Trichlorobenzene	190	U	ug/Kg Dry	14	190	100
1,2,4-Trichlorobenzene	190	U	ug/Kg Dry	14	190	100
1,2-Dichlorobenzene	190	U	ug/Kg Dry	6.1	190	100
1,3,5-Trimethylbenzene	190	U	ug/Kg Dry	10	190	100
1,3-Dichlorobenzene	190	U	ug/Kg Dry	8.8	190	100
1,4-Dichlorobenzene	190	U	ug/Kg Dry	10	190	100
1,4-Dioxane	290	U	ug/Kg Dry	250	290	100
2-Hexanone	190	U	ug/Kg Dry	31	190	100
Acetone	960	U	ug/Kg Dry	40	960	100
Benzene	190	U	ug/Kg Dry	3.8	190	100
Bromoform	190	U	ug/Kg Dry	3.1	190	100
Bromomethane	190	U	ug/Kg Dry	2.9	190	100
Carbon disulfide	190	U	ug/Kg Dry	6.3	190	100
Carbon tetrachloride	190	U	ug/Kg Dry	6.1	190	100
Chlorobenzene	190	U	ug/Kg Dry	5.9	190	100
Chlorobromomethane	190	U	ug/Kg Dry	5.9	190	100
Chlorodibromomethane	190	U	ug/Kg Dry	4.6	190	100
Chloroethane	190	U	ug/Kg Dry	6.7	190	100
Chloroform	190	U	ug/Kg Dry	3.4	190	100
Chloromethane	190	U	ug/Kg Dry	4.4	190	100
cis-1,2-Dichloroethene	190	U	ug/Kg Dry	3.8	190	100
cis-1,3-Dichloropropene	190	U	ug/Kg Dry	3.4	190	100
Dibromomethane	190	U	ug/Kg Dry	6.1	190	100
Bromodichloromethane	190	U	ug/Kg Dry	1.7	190	100
Dichlorodifluoromethane	190	U	ug/Kg Dry	18	190	100
Ethyl methacrylate	190	U	ug/Kg Dry	3.3	190	100
Ethylbenzene	190	U	ug/Kg Dry	7.5	190	100
Isopropylbenzene	190	U	ug/Kg Dry	8.6	190	100
m-Xylene & p-Xylene	380	U	ug/Kg Dry	17	380	100
4-Methyl-2-pentanone (MIBK)	190	U	ug/Kg Dry	31	190	100
Methyl tert-butyl ether	190	U	ug/Kg Dry	2.9	190	100
Methylene Chloride	190	U	ug/Kg Dry	5.7	190	100
o-Xylene	380	U	ug/Kg Dry	5.0	380	100
Styrene	190	U	ug/Kg Dry	4.6	190	100
Tetrachloroethene	4200		ug/Kg Dry	19	190	100
Toluene	190	U	ug/Kg Dry	3.8	190	100
trans-1,2-Dichloroethene	190	U	ug/Kg Dry	6.9	190	100
trans-1,3-Dichloropropene	190	U	ug/Kg Dry	3.1	190	100
trans-1,4-Dichloro-2-butene	190	U	ug/Kg Dry	15	190	100

Jane Daloia
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Job Number: 420-77953-2
Sdg Number: 141907

Client Sample ID: **SP-51-10-12-051214**
Lab Sample ID: **420-77953-14**

Date Sampled: 05/12/2014 1710
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 85

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Trichloroethene	190	U	ug/Kg Dry	7.6	190	100
Trichlorofluoromethane	190	U	ug/Kg Dry	11	190	100
Vinyl chloride	190	U	ug/Kg Dry	5.9	190	100
Xylenes, Total	380	U	ug/Kg Dry	19	380	100
1,1,1-Trichloroethane	190	U	ug/Kg Dry	4.8	190	100
Freon 113	190	U	ug/Kg Dry	5.7	190	100
1,1,2-Trichloroethane	190	U	ug/Kg Dry	6.3	190	100
1,1-Dichloroethane	190	U	ug/Kg Dry	2.7	190	100
1,1-Dichloroethene	190	U	ug/Kg Dry	6.3	190	100
1,1-Dichloropropene	190	U	ug/Kg Dry	9.8	190	100
1,2-Dibromo-3-Chloropropane	190	U	ug/Kg Dry	5.9	190	100
1,2-Dichloroethane	190	U	ug/Kg Dry	3.8	190	100
1,2-Dichloropropane	190	U	ug/Kg Dry	3.6	190	100
1,3-Dichloropropane	190	U	ug/Kg Dry	4.2	190	100
2,2-Dichloropropane	190	U	ug/Kg Dry	4.2	190	100
1,2-Dibromoethane	190	U	ug/Kg Dry	6.1	190	100
2-Butanone (MEK)	190	U	ug/Kg Dry	57	190	100
1,1,2,2-Tetrachloroethane	190	U	ug/Kg Dry	3.8	190	100
1,2,3-Trichloropropane	190	U	ug/Kg Dry	4.2	190	100
Tetrahydrofuran	190	U	ug/Kg Dry	31	190	100

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	94	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	91	%	73 - 128
4-Bromofluorobenzene	99	%	49 - 138

DATA REPORTING QUALIFIERS

Client: Paradigm Environmental Services, Inc.

Job Number: 420-77953-2
Sdg Number: 141907

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
	E	Result exceeded calibration range, secondary dilution required.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	U	The analyte was analyzed for but not detected at or above the stated limit.
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	U	The analyte was analyzed for but not detected at or above the stated limit.

Definitions and Glossary

Client: Paradigm Environmental Services, Inc.

Job Number: 420-77953-2

Sdg Number: 141907

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum quantitation levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

1 of 2

PARADIGM

CHAIN OF CUSTODY 77953-2 ENVIROTEST: ELAP ID: 10142

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:		ADDRESS:			
CITY: STATE: ZIP:		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:		PHONE: FAX:		STD OTHER	
ATTN:	Kate Hansen	ATTN:	Meridith Dillman	☒ 1 ☒ 2 ☐ 3 ☐ 5 ☐	
COMMENTS:	Please email results to khansen@paradigmenv.com and jdaloia@paradigmenv.com			Date Due: 5/22	

PROJECT NAME/SITE NAME:

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	8260 TCL	8270 Stars	REMARKS	PARADIGM LAB SAMPLE NUMBER
3	1 5/12/14	0915			141907-01	Soil	1	X	X		
4	2	0945			-02		1				
5	3	1010			-03		1				
6	4	1134			-04		1				
7	5	1130			-05		1				
8	6	1132			-06		1				
9	7	1740			-07		1				
10	8	1315			-08		1				
11	9	1450			-09		1				
12	10	1745			-10		1				

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature: 7.5	Y ☑	N ☐
Comments:		

Client

Sampled By: L. [signature] — Date/Time: 5/20/14 1600

Relinquished By — Date/Time

Received By: [signature] EZ — Date/Time: 5/21/14 900

Received @ Lab By — Date/Time

Total Cost:

P.I.F.

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Paradigm Environmental Services, Inc.

Job Number: 420-77953-2
SDG Number: 141907

Login Number: 77953

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	7.5 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

GZA Geo Environmental of New York

For Lab Project ID

142032

Referencing

21.0056687.10 TASK 5

Prepared

Tuesday, May 27, 2014

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below:

Portions of the attached report reflect data that has been subcontracted and is presented in its original form.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

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: 142032

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 TASK 5

Sample Identifier:	WC-MW-2/MW-3-COMP		
Lab Sample ID:	142032-01	**Date Sampled:**	5/15/2014
Matrix:	TCLP Extract	**Date Received:**	5/19/2014

TCLP Semi-Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed	
1,4-Dichlorobenzene	< 40.0	ug/L	7500		5/27/2014	14:12
2,4,5-Trichlorophenol	< 80.0	ug/L	400000		5/27/2014	14:12
2,4,6-Trichlorophenol	< 40.0	ug/L	2000		5/27/2014	14:12
2,4-Dinitrotoluene	< 40.0	ug/L	130		5/27/2014	14:12
Cresols (as m,p,o-Cresol)	< 80.0	ug/L	200000		5/27/2014	14:12
Hexachlorobenzene	< 40.0	ug/L	130		5/27/2014	14:12
Hexachlorobutadiene	< 40.0	ug/L	500		5/27/2014	14:12
Hexachloroethane	< 40.0	ug/L	3000		5/27/2014	14:12
Nitrobenzene	< 40.0	ug/L	2000		5/27/2014	14:12
Pentachlorophenol	< 80.0	ug/L	100000		5/27/2014	14:12
Pyridine	< 40.0	ug/L	5000		5/27/2014	14:12

Method Reference(s): EPA 8270D
EPA 1311 / 3510C
Data File: S76906.D

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed	
1,1-Dichloroethene	< 20.0	ug/L	700		5/21/2014	21:47
1,2-Dichloroethane	< 20.0	ug/L	500		5/21/2014	21:47
2-Butanone	< 100	ug/L	200000		5/21/2014	21:47
Benzene	< 20.0	ug/L	500		5/21/2014	21:47
Carbon Tetrachloride	< 20.0	ug/L	500		5/21/2014	21:47
Chlorobenzene	< 20.0	ug/L	100000		5/21/2014	21:47
Chloroform	< 20.0	ug/L	6000		5/21/2014	21:47
Tetrachloroethene	< 20.0	ug/L	700		5/21/2014	21:47
Trichloroethene	< 20.0	ug/L	500		5/21/2014	21:47
Vinyl chloride	< 20.0	ug/L	200		5/21/2014	21:47

Lab Project ID: 142032

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 TASK 5

Sample Identifier: WC-MW-2/MW-3-COMP

Lab Sample ID: 142032-01 **Date Sampled:** 5/15/2014

Matrix: TCLP Extract **Date Received:** 5/19/2014

Method Reference(s): EPA 8260C
EPA 1311 / 5030

Data File: x13496.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: 142032

Client: GZA Geo Environmental of New York

Project Reference: 21.0056687.10 TASK 5

Sample Identifier:	WC-MV-1-COMP		
Lab Sample ID:	142032-02	**Date Sampled:**	5/16/2014
Matrix:	TCLP Extract	**Date Received:**	5/19/2014

TCLP Semi-Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,4-Dichlorobenzene	< 40.0	ug/L	7500		5/27/2014 14:43
2,4,5-Trichlorophenol	< 80.0	ug/L	400000		5/27/2014 14:43
2,4,6-Trichlorophenol	< 40.0	ug/L	2000		5/27/2014 14:43
2,4-Dinitrotoluene	< 40.0	ug/L	130		5/27/2014 14:43
Cresols (as m,p,o-Cresol)	< 80.0	ug/L	200000		5/27/2014 14:43
Hexachlorobenzene	< 40.0	ug/L	130		5/27/2014 14:43
Hexachlorobutadiene	< 40.0	ug/L	500		5/27/2014 14:43
Hexachloroethane	< 40.0	ug/L	3000		5/27/2014 14:43
Nitrobenzene	< 40.0	ug/L	2000		5/27/2014 14:43
Pentachlorophenol	< 80.0	ug/L	100000		5/27/2014 14:43
Pyridine	< 40.0	ug/L	5000		5/27/2014 14:43

Method Reference(s): EPA 8270D
EPA 1311 / 3510C
Data File: S76907.D

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		5/21/2014 22:09
1,2-Dichloroethane	< 20.0	ug/L	500		5/21/2014 22:09
2-Butanone	< 100	ug/L	200000		5/21/2014 22:09
Benzene	< 20.0	ug/L	500		5/21/2014 22:09
Carbon Tetrachloride	< 20.0	ug/L	500		5/21/2014 22:09
Chlorobenzene	< 20.0	ug/L	100000		5/21/2014 22:09
Chloroform	< 20.0	ug/L	6000		5/21/2014 22:09
Tetrachloroethene	**550**	ug/L	700		5/21/2014 22:09
Trichloroethene	< 20.0	ug/L	500		5/21/2014 22:09
Vinyl chloride	< 20.0	ug/L	200		5/21/2014 22:09

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 142032

Client: **GZA Geo Environmental of New York**

Project Reference: 21.0056687.10 TASK 5

Sample Identifier:	WC-MV-1-COMP		
Lab Sample ID:	142032-02	**Date Sampled:**	5/16/2014
Matrix:	TCLP Extract	**Date Received:**	5/19/2014

Method Reference(s): EPA 8260C
EPA 1311 / 5030

Data File: x13497.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.

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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.

1of2

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
CLIENT: GZA GEOENVIRONMENTAL OF NY	CLIENT: GZA	LAB PROJECT ID: ~~10~~ 142032 eem 5/19/14
ADDRESS: 535 WASHINGTON ST, 11TH FLOOR	ADDRESS:	
CITY: BUFFALO STATE: NY ZIP: 14203	CITY: STATE: ZIP:	Quotation #:
PHONE: 716-844-7046	PHONE:	Email: christopher.byrow@gza.com
ATTN: CHRISTOPHER BYRON	ATTN:	

PROJECT REFERENCE: 21.0056687.10 TASK 6

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	TCLP VOCS	TCLP SVOCS	TCL 8260	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	5/15/14	1400	X		WC-MW-2/MW-3-COMP	SO	2	X	X			01
2	5/16/14	1500	X		WC-MW-1-COMP	SO	2	X	X			02
3	5/13/14	1140	X		MW-1-20-22-051314	SO	1			X		03
4	5/16/14	1200	X		MW-1-26-28-051614	SO	1			X		04
5												
6												
7												
8												
9												
10											0°C iced by hyp BR	

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:	☐

		Date/Time
Sampled By	John Bentivegna	5/13/14 + 5/15/14 - 5/16/14
Relinquished By	[signature]	5/16/14 15:30
Received By	[signature]	5/16/14 18:30
Received @ Lab By	[signature]	5/19/14 1300

Total Cost:

P.I.F.

Samples -03 + -04 ~~Requ~~ Relinquished on 5/20 to ETL due to Rush Request via UPS KRH 5/22/14

PARADIGM

Chain of Custody Supplement

Client: G2A **Completed by:** Molly Vail

Lab Project ID: 142032 **Date:** 5/19/14

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	Yes	No	N/A
	NELAC compliance with the sample condition requirements upon receipt		
Container Type	X	X 5035 -03 -04	
Comments: 01-2G-3, 02-2G-3 03-1G-2 04-1G-2			
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: 0°C iced by Terry B/A			
Sufficient Sample Quantity	X		
Comments			

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

EnviroTest Laboratories Inc.

ANALYTICAL REPORT

Job Number: 420-77953-1

SDG Number: 142032

Job Description: Paradigm Environmental, Inc.

For:
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Attention: Jane Daloia

Meredith Ruthven

Meredith W Ruthven
Customer Service Manager
mruthven@envirotestlaboratories.com
05/22/2014

cc: Kathryn Hansen

NYSDOH ELAP does not certify for all parameters. EnviroTest Laboratories does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval of the laboratory. EnviroTest Laboratories Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our laboratory. All questions regarding this report should be directed to the EnviroTest Customer Service Representative.

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554

Job Narrative
420-J77953-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Samples were recieved in bulk sample containers, therefore as per method 5035 all results below 200 ug/kg are to be considered minimium values.

No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

METHOD SUMMARY

Client: Paradigm Environmental Services, Inc.

Job Number: 420-77953-1
SDG Number: 142032

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	EnvTest	SW846 8260C	
Closed System Purge&Trap High Level	EnvTest		EPA 5035-H

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Paradigm Environmental Services, Inc.

Job Number: 420-77953-1
SDG Number: 142032

Method	Analyst	Analyst ID
SW846 8260C	Andersen, Eric C	ECA
EPA PercentMoisture	Goldstein, Amy	AG

SAMPLE SUMMARY

Client: Paradigm Environmental Services, Inc.

Job Number: 420-77953-1
SDG Number: 142032

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-77953-1	MW-1-20-22-051314	Solid	05/13/2014 1140	05/21/2014 0900
420-77953-2	MW-1-26-28-051614	Solid	05/16/2014 1200	05/21/2014 0900

Jane Daloia
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Job Number: 420-77953-1
Sdg Number: 142032

Client Sample ID: **MW-1-20-22-051314**
Lab Sample ID: **420-77953-1**

Date Sampled: 05/13/2014 1140
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 90

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	05/21/2014 1237		
Prep Method: 5035-H			Date Prepared:	05/21/2014 1207		
1,2,3-Trichlorobenzene	190	U	ug/Kg Dry	14	190	100
1,2,4-Trichlorobenzene	190	U	ug/Kg Dry	14	190	100
1,2-Dichlorobenzene	190	U	ug/Kg Dry	6.0	190	100
1,3,5-Trimethylbenzene	190	U	ug/Kg Dry	10	190	100
1,3-Dichlorobenzene	190	U	ug/Kg Dry	8.7	190	100
1,4-Dichlorobenzene	190	U	ug/Kg Dry	10	190	100
1,4-Dioxane	280	U	ug/Kg Dry	250	280	100
2-Hexanone	190	U	ug/Kg Dry	30	190	100
Acetone	940	U	ug/Kg Dry	40	940	100
Benzene	190	U	ug/Kg Dry	3.8	190	100
Bromoform	190	U	ug/Kg Dry	3.0	190	100
Bromomethane	190	U	ug/Kg Dry	2.8	190	100
Carbon disulfide	190	U	ug/Kg Dry	6.2	190	100
Carbon tetrachloride	190	U	ug/Kg Dry	6.0	190	100
Chlorobenzene	190	U	ug/Kg Dry	5.8	190	100
Chlorobromomethane	190	U	ug/Kg Dry	5.8	190	100
Chlorodibromomethane	190	U	ug/Kg Dry	4.5	190	100
Chloroethane	190	U	ug/Kg Dry	6.6	190	100
Chloroform	190	U	ug/Kg Dry	3.4	190	100
Chloromethane	190	U	ug/Kg Dry	4.3	190	100
cis-1,2-Dichloroethene	190	U	ug/Kg Dry	3.8	190	100
cis-1,3-Dichloropropene	190	U	ug/Kg Dry	3.4	190	100
Dibromomethane	190	U	ug/Kg Dry	6.0	190	100
Bromodichloromethane	190	U	ug/Kg Dry	1.7	190	100
Dichlorodifluoromethane	190	U	ug/Kg Dry	18	190	100
Ethyl methacrylate	190	U	ug/Kg Dry	3.2	190	100
Ethylbenzene	190	U	ug/Kg Dry	7.4	190	100
Isopropylbenzene	190	U	ug/Kg Dry	8.5	190	100
m-Xylene & p-Xylene	380	U	ug/Kg Dry	17	380	100
4-Methyl-2-pentanone (MIBK)	190	U	ug/Kg Dry	30	190	100
Methyl tert-butyl ether	190	U	ug/Kg Dry	2.8	190	100
Methylene Chloride	190	U	ug/Kg Dry	5.7	190	100
o-Xylene	380	U	ug/Kg Dry	4.9	380	100
Styrene	190	U	ug/Kg Dry	4.5	190	100
Tetrachloroethene	56	J	ug/Kg Dry	19	190	100
Toluene	190	U	ug/Kg Dry	3.8	190	100
trans-1,2-Dichloroethene	190	U	ug/Kg Dry	6.8	190	100
trans-1,3-Dichloropropene	190	U	ug/Kg Dry	3.0	190	100
trans-1,4-Dichloro-2-butene	190	U	ug/Kg Dry	15	190	100

Jane Daloia
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Job Number: 420-77953-1
Sdg Number: 142032

Client Sample ID: **MW-1-20-22-051314**
Lab Sample ID: **420-77953-1**

Date Sampled: 05/13/2014 1140
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 90

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Trichloroethene	190	U	ug/Kg Dry	7.5	190	100
Trichlorofluoromethane	190	U	ug/Kg Dry	10	190	100
Vinyl chloride	190	U	ug/Kg Dry	5.8	190	100
Xylenes, Total	380	U	ug/Kg Dry	19	380	100
1,1,1-Trichloroethane	190	U	ug/Kg Dry	4.7	190	100
Freon 113	190	U	ug/Kg Dry	5.7	190	100
1,1,2-Trichloroethane	190	U	ug/Kg Dry	6.2	190	100
1,1-Dichloroethane	190	U	ug/Kg Dry	2.6	190	100
1,1-Dichloroethene	190	U	ug/Kg Dry	6.2	190	100
1,1-Dichloropropene	190	U	ug/Kg Dry	9.6	190	100
1,2-Dibromo-3-Chloropropane	190	U	ug/Kg Dry	5.8	190	100
1,2-Dichloroethane	190	U	ug/Kg Dry	3.8	190	100
1,2-Dichloropropane	190	U	ug/Kg Dry	3.6	190	100
1,3-Dichloropropane	190	U	ug/Kg Dry	4.1	190	100
2,2-Dichloropropane	190	U	ug/Kg Dry	4.1	190	100
1,2-Dibromoethane	190	U	ug/Kg Dry	6.0	190	100
2-Butanone (MEK)	190	U	ug/Kg Dry	57	190	100
1,1,2,2-Tetrachloroethane	190	U	ug/Kg Dry	3.8	190	100
1,2,3-Trichloropropane	190	U	ug/Kg Dry	4.1	190	100
Tetrahydrofuran	190	U	ug/Kg Dry	31	190	100

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	96	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	94	%	73 - 128
4-Bromofluorobenzene	106	%	49 - 138

Jane Daloia
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Job Number: 420-77953-1
Sdg Number: 142032

Client Sample ID: **MW-1-26-28-051614**
Lab Sample ID: **420-77953-2**

Date Sampled: 05/16/2014 1200
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	05/21/2014 1304		
Prep Method: 5035-H			Date Prepared:	05/21/2014 1207		
1,2,3-Trichlorobenzene	180	U	ug/Kg Dry	13	180	100
1,2,4-Trichlorobenzene	180	U	ug/Kg Dry	13	180	100
1,2-Dichlorobenzene	180	U	ug/Kg Dry	5.9	180	100
1,3,5-Trimethylbenzene	180	U	ug/Kg Dry	9.7	180	100
1,3-Dichlorobenzene	180	U	ug/Kg Dry	8.4	180	100
1,4-Dichlorobenzene	180	U	ug/Kg Dry	9.7	180	100
1,4-Dioxane	270	U	ug/Kg Dry	240	270	100
2-Hexanone	180	U	ug/Kg Dry	29	180	100
Acetone	920	U	ug/Kg Dry	38	920	100
Benzene	180	U	ug/Kg Dry	3.7	180	100
Bromoform	180	U	ug/Kg Dry	2.9	180	100
Bromomethane	180	U	ug/Kg Dry	2.7	180	100
Carbon disulfide	180	U	ug/Kg Dry	6.0	180	100
Carbon tetrachloride	180	U	ug/Kg Dry	5.9	180	100
Chlorobenzene	180	U	ug/Kg Dry	5.7	180	100
Chlorobromomethane	180	U	ug/Kg Dry	5.7	180	100
Chlorodibromomethane	180	U	ug/Kg Dry	4.4	180	100
Chloroethane	180	U	ug/Kg Dry	6.4	180	100
Chloroform	180	U	ug/Kg Dry	3.3	180	100
Chloromethane	180	U	ug/Kg Dry	4.2	180	100
cis-1,2-Dichloroethene	180	U	ug/Kg Dry	3.7	180	100
cis-1,3-Dichloropropene	180	U	ug/Kg Dry	3.3	180	100
Dibromomethane	180	U	ug/Kg Dry	5.9	180	100
Bromodichloromethane	180	U	ug/Kg Dry	1.6	180	100
Dichlorodifluoromethane	180	U	ug/Kg Dry	17	180	100
Ethyl methacrylate	180	U	ug/Kg Dry	3.1	180	100
Ethylbenzene	180	U	ug/Kg Dry	7.1	180	100
Isopropylbenzene	180	U	ug/Kg Dry	8.2	180	100
m-Xylene & p-Xylene	370	U	ug/Kg Dry	16	370	100
4-Methyl-2-pentanone (MIBK)	180	U	ug/Kg Dry	29	180	100
Methyl tert-butyl ether	180	U	ug/Kg Dry	2.7	180	100
Methylene Chloride	180	U	ug/Kg Dry	5.5	180	100
o-Xylene	370	U	ug/Kg Dry	4.8	370	100
Styrene	180	U	ug/Kg Dry	4.4	180	100
Tetrachloroethene	180	U	ug/Kg Dry	18	180	100
Toluene	180	U	ug/Kg Dry	3.7	180	100
trans-1,2-Dichloroethene	180	U	ug/Kg Dry	6.6	180	100
trans-1,3-Dichloropropene	180	U	ug/Kg Dry	2.9	180	100
trans-1,4-Dichloro-2-butene	180	U	ug/Kg Dry	15	180	100

Jane Daloia
Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608

Job Number: 420-77953-1
Sdg Number: 142032

Client Sample ID: **MW-1-26-28-051614**
Lab Sample ID: **420-77953-2**

Date Sampled: 05/16/2014 1200
Date Received: 05/21/2014 0900
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Trichloroethene	180	U	ug/Kg Dry	7.3	180	100
Trichlorofluoromethane	180	U	ug/Kg Dry	10	180	100
Vinyl chloride	180	U	ug/Kg Dry	5.7	180	100
Xylenes, Total	370	U	ug/Kg Dry	18	370	100
1,1,1-Trichloroethane	180	U	ug/Kg Dry	4.6	180	100
Freon 113	180	U	ug/Kg Dry	5.5	180	100
1,1,2-Trichloroethane	180	U	ug/Kg Dry	6.0	180	100
1,1-Dichloroethane	180	U	ug/Kg Dry	2.6	180	100
1,1-Dichloroethene	180	U	ug/Kg Dry	6.0	180	100
1,1-Dichloropropene	180	U	ug/Kg Dry	9.3	180	100
1,2-Dibromo-3-Chloropropane	180	U	ug/Kg Dry	5.7	180	100
1,2-Dichloroethane	180	U	ug/Kg Dry	3.7	180	100
1,2-Dichloropropane	180	U	ug/Kg Dry	3.5	180	100
1,3-Dichloropropane	180	U	ug/Kg Dry	4.0	180	100
2,2-Dichloropropane	180	U	ug/Kg Dry	4.0	180	100
1,2-Dibromoethane	180	U	ug/Kg Dry	5.9	180	100
2-Butanone (MEK)	180	U	ug/Kg Dry	55	180	100
1,1,2,2-Tetrachloroethane	180	U	ug/Kg Dry	3.7	180	100
1,2,3-Trichloropropane	180	U	ug/Kg Dry	4.0	180	100
Tetrahydrofuran	180	U	ug/Kg Dry	30	180	100

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	96	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	90	%	73 - 128
4-Bromofluorobenzene	101	%	49 - 138

DATA REPORTING QUALIFIERS

Client: Paradigm Environmental Services, Inc.

Job Number: 420-77953-1
Sdg Number: 142032

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	U	The analyte was analyzed for but not detected at or above the stated limit.

Client: Paradigm Environmental Services, Inc.

Job Number: 420-77953-1

Sdg Number: 142032

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum quantitation levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY 17953-1

ENVIROTEST: ELAP ID: 10142

PARADIGM

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:		ADDRESS:			
CITY: STATE: ZIP:		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:		PHONE: FAX:		☒ 1 ☐ 2 ☐ 3 STD ☐ 5 OTHER ☐	
ATTN:	Kate Hansen	ATTN:	Meridith Dillman		
COMMENTS:	Please email results to khansen@paradigmenv.com and jdaloia@paradigmenv.com			Date Due: 5/22	

PROJECT NAME/SITE NAME:

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	8260 TCL	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	5/13	1140			2142032-03	S	1	X		1
2	5/14	1200			2032-04	S	1	X		2
3										
4										
5										
6										
7										
8										
9										
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type:	Y ☐ N ☐
Comments:	
Preservation:	Y ☐ N ☐
Comments:	
Holding Time:	Y ☐ N ☐
Comments:	
Temperature: 7.5	Y ☑ N ☐
Comments:	

Client

	Date/Time	
Sampled By: Kathryn R Hansen	5/20/14 1600	Total Cost:
Relinquished By	Date/Time	
Received By: L Cintosh ER	5/21/14 9:00	P.I.F.
Received @ Lab By: UPS 1ZE11 212 NP 9857 1713	Date/Time	

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Paradigm Environmental Services, Inc.

Job Number: 420-77953-1
SDG Number: 142032

Login Number: **77953**

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	7.5 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-60301-1
Client Project/Site: Northtown Plaza Phase II, NY

For:
GZA GeoEnvironmental, Inc.
535 Washington Street
11th Floor
Buffalo, New York 14203

Attn: Mr. Christopher Boron

Authorized for release by:
5/22/2014 5:35:49 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Client: GZA GeoEnvironmental, Inc.
Project/Site: Northtown Plaza Phase II, NY

TestAmerica Job ID: 480-60301-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-60301-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-60301-1

Receipt

The samples were received on 5/21/2014 4:05 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4º C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: GZA GeoEnvironmental, Inc.
Project/Site: Northtown Plaza Phase II, NY

TestAmerica Job ID: 480-60301-1

Client Sample ID: MW-1 — Lab Sample ID: 480-60301-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.5	J	10	3.0	ug/L	1		8260C	Total/NA
Bromodichloromethane	0.57	J	1.0	0.39	ug/L	1		8260C	Total/NA
Carbon disulfide	0.99	J	1.0	0.19	ug/L	1		8260C	Total/NA
Chloroform	1.8		1.0	0.34	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.46	J	1.0	0.36	ug/L	1		8260C	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 480-60301-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.0	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 480-60301-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.7	J	10	3.0	ug/L	1		8260C	Total/NA
Carbon disulfide	1.3		1.0	0.19	ug/L	1		8260C	Total/NA
Toluene	0.66	J	1.0	0.51	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-1
Lab Sample ID: 480-60301-1
Date Collected: 05/21/14 14:30
Matrix: Water
Date Received: 05/21/14 16:05

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/22/14 06:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/22/14 06:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/22/14 06:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/22/14 06:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/22/14 06:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/22/14 06:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/22/14 06:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/22/14 06:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/22/14 06:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/22/14 06:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/22/14 06:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/22/14 06:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/22/14 06:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/22/14 06:27	1
2-Hexanone	ND		5.0	1.2	ug/L			05/22/14 06:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/22/14 06:27	1
Acetone	**8.5**	**J**	10	3.0	ug/L			05/22/14 06:27	1
Benzene	ND		1.0	0.41	ug/L			05/22/14 06:27	1
Bromodichloromethane	**0.57**	**J**	1.0	0.39	ug/L			05/22/14 06:27	1
Bromoform	ND		1.0	0.26	ug/L			05/22/14 06:27	1
Bromomethane	ND		1.0	0.69	ug/L			05/22/14 06:27	1
Carbon disulfide	**0.99**	**J**	1.0	0.19	ug/L			05/22/14 06:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/22/14 06:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/22/14 06:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/22/14 06:27	1
Chloroethane	ND		1.0	0.32	ug/L			05/22/14 06:27	1
Chloroform	**1.8**		1.0	0.34	ug/L			05/22/14 06:27	1
Chloromethane	ND		1.0	0.35	ug/L			05/22/14 06:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/22/14 06:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/22/14 06:27	1
Cyclohexane	ND		1.0	0.18	ug/L			05/22/14 06:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/22/14 06:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/22/14 06:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/22/14 06:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/22/14 06:27	1
Methyl acetate	ND		2.5	0.50	ug/L			05/22/14 06:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/22/14 06:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/22/14 06:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/22/14 06:27	1
Styrene	ND		1.0	0.73	ug/L			05/22/14 06:27	1
Tetrachloroethene	**0.46**	**J**	1.0	0.36	ug/L			05/22/14 06:27	1
Toluene	ND		1.0	0.51	ug/L			05/22/14 06:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/22/14 06:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/22/14 06:27	1
Trichloroethene	ND		1.0	0.46	ug/L			05/22/14 06:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/22/14 06:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/22/14 06:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/22/14 06:27	1

Client: GZA GeoEnvironmental, Inc.	TestAmerica Job ID: 480-60301-1
Project/Site: Northtown Plaza Phase II, NY

Client Sample ID: MW-1 **Lab Sample ID: 480-60301-1**
Date Collected: 05/21/14 14:30 **Matrix: Water**
Date Received: 05/21/14 16:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*104*		*71 - 126*		*05/22/14 06:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*136*		*66 - 137*		*05/22/14 06:27*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*05/22/14 06:27*	*1*

Client Sample ID: MW-2 **Lab Sample ID: 480-60301-2**
Date Collected: 05/21/14 15:20 **Matrix: Water**
Date Received: 05/21/14 16:05

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/22/14 06:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/22/14 06:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/22/14 06:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/22/14 06:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/22/14 06:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/22/14 06:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/22/14 06:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/22/14 06:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/22/14 06:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/22/14 06:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/22/14 06:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/22/14 06:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/22/14 06:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/22/14 06:50	1
2-Hexanone	ND		5.0	1.2	ug/L			05/22/14 06:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/22/14 06:50	1
Acetone	**3.0**	**J**	10	3.0	ug/L			05/22/14 06:50	1
Benzene	ND		1.0	0.41	ug/L			05/22/14 06:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/22/14 06:50	1
Bromoform	ND		1.0	0.26	ug/L			05/22/14 06:50	1
Bromomethane	ND		1.0	0.69	ug/L			05/22/14 06:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/22/14 06:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/22/14 06:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/22/14 06:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/22/14 06:50	1
Chloroethane	ND		1.0	0.32	ug/L			05/22/14 06:50	1
Chloroform	ND		1.0	0.34	ug/L			05/22/14 06:50	1
Chloromethane	ND		1.0	0.35	ug/L			05/22/14 06:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/22/14 06:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/22/14 06:50	1
Cyclohexane	ND		1.0	0.18	ug/L			05/22/14 06:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/22/14 06:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/22/14 06:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/22/14 06:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/22/14 06:50	1
Methyl acetate	ND		2.5	0.50	ug/L			05/22/14 06:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/22/14 06:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/22/14 06:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/22/14 06:50	1
Styrene	ND		1.0	0.73	ug/L			05/22/14 06:50	1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Client Sample ID: MW-2 Lab Sample ID: 480-60301-2

Date Collected: 05/21/14 15:20 **Matrix: Water**
Date Received: 05/21/14 16:05

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.36	ug/L			05/22/14 06:50	1
Toluene	ND		1.0	0.51	ug/L			05/22/14 06:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/22/14 06:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/22/14 06:50	1
Trichloroethene	ND		1.0	0.46	ug/L			05/22/14 06:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/22/14 06:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/22/14 06:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/22/14 06:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*71 - 126*		*05/22/14 06:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*132*		*66 - 137*		*05/22/14 06:50*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*05/22/14 06:50*	*1*

Client Sample ID: MW-3 Lab Sample ID: 480-60301-3

Date Collected: 05/21/14 15:00 **Matrix: Water**
Date Received: 05/21/14 16:05

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/22/14 07:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/22/14 07:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/22/14 07:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/22/14 07:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/22/14 07:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/22/14 07:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/22/14 07:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/22/14 07:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/22/14 07:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/22/14 07:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/22/14 07:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/22/14 07:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/22/14 07:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/22/14 07:15	1
2-Hexanone	ND		5.0	1.2	ug/L			05/22/14 07:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/22/14 07:15	1
Acetone	**7.7**	**J**	10	3.0	ug/L			05/22/14 07:15	1
Benzene	ND		1.0	0.41	ug/L			05/22/14 07:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/22/14 07:15	1
Bromoform	ND		1.0	0.26	ug/L			05/22/14 07:15	1
Bromomethane	ND		1.0	0.69	ug/L			05/22/14 07:15	1
Carbon disulfide	**1.3**		1.0	0.19	ug/L			05/22/14 07:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/22/14 07:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/22/14 07:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/22/14 07:15	1
Chloroethane	ND		1.0	0.32	ug/L			05/22/14 07:15	1
Chloroform	ND		1.0	0.34	ug/L			05/22/14 07:15	1
Chloromethane	ND		1.0	0.35	ug/L			05/22/14 07:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/22/14 07:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/22/14 07:15	1

Client Sample ID: MW-3 **Lab Sample ID: 480-60301-3**
Date Collected: 05/21/14 15:00 **Matrix: Water**
Date Received: 05/21/14 16:05

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		1.0	0.18	ug/L			05/22/14 07:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/22/14 07:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/22/14 07:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/22/14 07:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/22/14 07:15	1
Methyl acetate	ND		2.5	0.50	ug/L			05/22/14 07:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/22/14 07:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/22/14 07:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/22/14 07:15	1
Styrene	ND		1.0	0.73	ug/L			05/22/14 07:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/22/14 07:15	1
Toluene	**0.66**	**J**	1.0	0.51	ug/L			05/22/14 07:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/22/14 07:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/22/14 07:15	1
Trichloroethene	ND		1.0	0.46	ug/L			05/22/14 07:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/22/14 07:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/22/14 07:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/22/14 07:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*71 - 126*		*05/22/14 07:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*136*		*66 - 137*		*05/22/14 07:15*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*05/22/14 07:15*	*1*

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	12DCE	BFB
Lab Sample ID	Client Sample ID	(71-126)	(66-137)	(73-120)
480-60301-1	MW-1	104	136	94
480-60301-2	MW-2	104	132	94
480-60301-3	MW-3	104	136	93
LCS 480-183432/5	Lab Control Sample	109	118	103
MB 480-183432/7	Method Blank	103	124	98

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Client: GZA GeoEnvironmental, Inc.
Project/Site: Northtown Plaza Phase II, NY

TestAmerica Job ID: 480-60301-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-183432/7
Matrix: Water
Analysis Batch: 183432

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/21/14 23:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/21/14 23:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/21/14 23:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/21/14 23:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/21/14 23:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/21/14 23:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/21/14 23:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/21/14 23:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/21/14 23:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/21/14 23:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/21/14 23:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/21/14 23:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/21/14 23:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/21/14 23:58	1
2-Hexanone	ND		5.0	1.2	ug/L			05/21/14 23:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/21/14 23:58	1
Acetone	ND		10	3.0	ug/L			05/21/14 23:58	1
Benzene	ND		1.0	0.41	ug/L			05/21/14 23:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/21/14 23:58	1
Bromoform	ND		1.0	0.26	ug/L			05/21/14 23:58	1
Bromomethane	ND		1.0	0.69	ug/L			05/21/14 23:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/21/14 23:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/21/14 23:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/21/14 23:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/21/14 23:58	1
Chloroethane	ND		1.0	0.32	ug/L			05/21/14 23:58	1
Chloroform	ND		1.0	0.34	ug/L			05/21/14 23:58	1
Chloromethane	ND		1.0	0.35	ug/L			05/21/14 23:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/21/14 23:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/21/14 23:58	1
Cyclohexane	ND		1.0	0.18	ug/L			05/21/14 23:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/21/14 23:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/21/14 23:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/21/14 23:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/21/14 23:58	1
Methyl acetate	ND		2.5	0.50	ug/L			05/21/14 23:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/21/14 23:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/21/14 23:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/21/14 23:58	1
Styrene	ND		1.0	0.73	ug/L			05/21/14 23:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/21/14 23:58	1
Toluene	ND		1.0	0.51	ug/L			05/21/14 23:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/21/14 23:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/21/14 23:58	1
Trichloroethene	ND		1.0	0.46	ug/L			05/21/14 23:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/21/14 23:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/21/14 23:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/21/14 23:58	1

QC Sample Results

Client: GZA GeoEnvironmental, Inc. TestAmerica Job ID: 480-60301-1
Project/Site: Northtown Plaza Phase II, NY

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-183432/7 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 183432

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*71 - 126*		*05/21/14 23:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*66 - 137*		*05/21/14 23:58*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*05/21/14 23:58*	*1*

Lab Sample ID: LCS 480-183432/5 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 183432

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.7		ug/L		99	71 - 129
1,1-Dichloroethene	25.0	19.7		ug/L		79	58 - 121
1,2-Dichlorobenzene	25.0	26.0		ug/L		104	80 - 124
1,2-Dichloroethane	25.0	27.6		ug/L		110	75 - 127
Benzene	25.0	24.3		ug/L		97	71 - 124
Chlorobenzene	25.0	24.8		ug/L		99	72 - 120
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	74 - 124
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123
Methyl tert-butyl ether	25.0	24.2		ug/L		97	64 - 127
Tetrachloroethene	25.0	23.7		ug/L		95	74 - 122
Toluene	25.0	24.3		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	23.8		ug/L		95	73 - 127
Trichloroethene	25.0	25.1		ug/L		100	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*109*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*118*		*66 - 137*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*

GC/MS VOA

Analysis Batch: 183432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60301-1	MW-1	Total/NA	Water	8260C	
480-60301-2	MW-2	Total/NA	Water	8260C	
480-60301-3	MW-3	Total/NA	Water	8260C	
LCS 480-183432/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-183432/7	Method Blank	Total/NA	Water	8260C	

Client: GZA GeoEnvironmental, Inc.
Project/Site: Northtown Plaza Phase II, NY

TestAmerica Job ID: 480-60301-1

Client Sample ID: MW-1
Date Collected: 05/21/14 14:30
Date Received: 05/21/14 16:05

Lab Sample ID: 480-60301-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	183432	05/22/14 06:27	GTG	TAL BUF

Client Sample ID: MW-2
Date Collected: 05/21/14 15:20
Date Received: 05/21/14 16:05

Lab Sample ID: 480-60301-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	183432	05/22/14 06:50	GTG	TAL BUF

Client Sample ID: MW-3
Date Collected: 05/21/14 15:00
Date Received: 05/21/14 16:05

Lab Sample ID: 480-60301-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	183432	05/22/14 07:15	GTG	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

Method Summary

Client: GZA GeoEnvironmental, Inc. TestAmerica Job ID: 480-60301-1
Project/Site: Northtown Plaza Phase II, NY

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-60301-1	MW-1	Water	05/21/14 14:30	05/21/14 16:05
480-60301-2	MW-2	Water	05/21/14 15:20	05/21/14 16:05
480-60301-3	MW-3	Water	05/21/14 15:00	05/21/14 16:05

Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt ______

Drinking Water? Yes ☐ No ☒

TestAme
THE LEADER IN ENVIRONM

480-60301 Chain of Custody

Client: GZA GeoEnvironmental of NY	Project Manager: Christopher Boron		Date: 5/21/14	Chain of Custody Number: 240931
Address: 535 Washington St. 11th Floor	Telephone Number (Area Code)/Fax Number: (716) 570-5990-cell #		Lab Number	Page 1 of 1
City: Buffalo; State: NY; Zip Code: 14203	Site Contact	Lab Contact		
Project Name and Location (State): Northtown Plaza Phase II, NY	Carrier/Waybill Number			
Contract/Purchase Order/Quote No.				

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOCs 8260 TCL
MW-1	5-21-14	1430		X						X			X
MW-2	5-21-14	1500		X						X			X
MW-3	5-21-14	1500		X						X			X

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ______ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ______

QC Requirements (Specify)

1. Relinquished By: Thomas Bohlen	Date: 5/21/14	Time: 16:05	1. Received By: [signature] TA Buff	Date: 5/21/14	Time: 16:05
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: #1 3.4

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: GZA GeoEnvironmental, Inc.

Job Number: 480-60301-1

Login Number: 60301

List Source: TestAmerica Buffalo

List Number: 1

Creator: Stau, Brandon M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	gza
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Centek Laboratories, LLC

Date: *31-Mar-14*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Basement-SS-031914
Lab Order:	C1403046	**Tag Number:**	137.1154
Project:	Northtown Plaza	**Collection Date:**	3/19/2014
Lab ID:	C1403046-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.83	0.83		ug/m3	1	3/25/2014 11:56:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/25/2014 11:56:00 PM
1,1,2-Trichloroethane	< 0.83	0.83		ug/m3	1	3/25/2014 11:56:00 PM
1,1-Dichloroethane	< 0.62	0.62		ug/m3	1	3/25/2014 11:56:00 PM
1,1-Dichloroethene	< 0.60	0.60		ug/m3	1	3/25/2014 11:56:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	3/25/2014 11:56:00 PM
1,2,4-Trimethylbenzene	4.1	0.75		ug/m3	1	3/25/2014 11:56:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	3/25/2014 11:56:00 PM
1,2-Dichlorobenzene	< 0.92	0.92		ug/m3	1	3/25/2014 11:56:00 PM
1,2-Dichloroethane	< 0.62	0.62		ug/m3	1	3/25/2014 11:56:00 PM
1,2-Dichloropropane	< 0.70	0.70		ug/m3	1	3/25/2014 11:56:00 PM
1,3,5-Trimethylbenzene	1.2	0.75		ug/m3	1	3/25/2014 11:56:00 PM
1,3-butadiene	< 0.34	0.34		ug/m3	1	3/25/2014 11:56:00 PM
1,3-Dichlorobenzene	< 0.92	0.92		ug/m3	1	3/25/2014 11:56:00 PM
1,4-Dichlorobenzene	< 0.92	0.92		ug/m3	1	3/25/2014 11:56:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	3/25/2014 11:56:00 PM
2,2,4-trimethylpentane	< 0.71	0.71		ug/m3	1	3/25/2014 11:56:00 PM
4-ethyltoluene	1.5	0.75		ug/m3	1	3/25/2014 11:56:00 PM
Acetone	41	7.2		ug/m3	10	3/26/2014 11:33:00 PM
Allyl chloride	< 0.48	0.48		ug/m3	1	3/25/2014 11:56:00 PM
Benzene	35	4.9		ug/m3	10	3/26/2014 11:33:00 PM
Benzyl chloride	< 0.88	0.88		ug/m3	1	3/25/2014 11:56:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	3/25/2014 11:56:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	3/25/2014 11:56:00 PM
Bromomethane	< 0.59	0.59		ug/m3	1	3/25/2014 11:56:00 PM
Carbon disulfide	23	4.7		ug/m3	10	3/26/2014 11:33:00 PM
Carbon tetrachloride	< 0.96	0.96		ug/m3	1	3/25/2014 11:56:00 PM
Chlorobenzene	< 0.70	0.70		ug/m3	1	3/25/2014 11:56:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	3/25/2014 11:56:00 PM
Chloroform	< 0.74	0.74		ug/m3	1	3/25/2014 11:56:00 PM
Chloromethane	14	3.1		ug/m3	10	3/26/2014 11:33:00 PM
cis-1,2-Dichloroethene	< 0.60	0.60		ug/m3	1	3/25/2014 11:56:00 PM
cis-1,3-Dichloropropene	< 0.69	0.69		ug/m3	1	3/25/2014 11:56:00 PM
Cyclohexane	190	49		ug/m3	90	3/27/2014 12:09:00 AM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	3/25/2014 11:56:00 PM
Ethyl acetate	< 0.92	0.92		ug/m3	1	3/25/2014 11:56:00 PM
Ethylbenzene	4.2	0.66		ug/m3	1	3/25/2014 11:56:00 PM
Freon 11	1.5	0.86		ug/m3	1	3/25/2014 11:56:00 PM
Freon 113	< 1.2	1.2		ug/m3	1	3/25/2014 11:56:00 PM
Freon 114	< 1.1	1.1		ug/m3	1	3/25/2014 11:56:00 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: *31-Mar-14*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Basement-SS-031914
Lab Order:	C1403046	**Tag Number:**	137.1154
Project:	Northtown Plaza	**Collection Date:**	3/19/2014
Lab ID:	C1403046-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	2.8	0.75		ug/m3	1	3/25/2014 11:56:00 PM
Heptane	220	58		ug/m3	90	3/27/2014 12:09:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	3/25/2014 11:56:00 PM
Hexane	360	50		ug/m3	90	3/27/2014 12:09:00 AM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	3/25/2014 11:56:00 PM
m&p-Xylene	13	1.3		ug/m3	1	3/25/2014 11:56:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	3/25/2014 11:56:00 PM
Methyl Ethyl Ketone	< 0.90	0.90		ug/m3	1	3/25/2014 11:56:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	3/25/2014 11:56:00 PM
Methyl tert-butyl ether	< 0.55	0.55		ug/m3	1	3/25/2014 11:56:00 PM
Methylene chloride	2.0	0.53		ug/m3	1	3/25/2014 11:56:00 PM
o-Xylene	4.5	0.66		ug/m3	1	3/25/2014 11:56:00 PM
Propylene	< 0.26	0.26		ug/m3	1	3/25/2014 11:56:00 PM
Styrene	4.6	0.65		ug/m3	1	3/25/2014 11:56:00 PM
Tetrachloroethylene	43	10		ug/m3	10	3/26/2014 11:33:00 PM
Tetrahydrofuran	< 0.45	0.45		ug/m3	1	3/25/2014 11:56:00 PM
Toluene	23	5.7		ug/m3	10	3/26/2014 11:33:00 PM
trans-1,2-Dichloroethene	< 0.60	0.60		ug/m3	1	3/25/2014 11:56:00 PM
trans-1,3-Dichloropropene	< 0.69	0.69		ug/m3	1	3/25/2014 11:56:00 PM
Trichloroethene	1.6	0.82		ug/m3	1	3/25/2014 11:56:00 PM
Vinyl acetate	< 0.54	0.54		ug/m3	1	3/25/2014 11:56:00 PM
Vinyl Bromide	< 0.67	0.67		ug/m3	1	3/25/2014 11:56:00 PM
Vinyl chloride	< 0.39	0.39		ug/m3	1	3/25/2014 11:56:00 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: *31-Mar-14*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Basement-IA-031914
Lab Order:	C1403046	**Tag Number:**	545.265
Project:	Northtown Plaza	**Collection Date:**	3/19/2014
Lab ID:	C1403046-002A	**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	< 0.83	0.83		ug/m3	1	3/25/2014 9:56:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/25/2014 9:56:00 PM
1,1,2-Trichloroethane	< 0.83	0.83		ug/m3	1	3/25/2014 9:56:00 PM
1,1-Dichloroethane	< 0.62	0.62		ug/m3	1	3/25/2014 9:56:00 PM
1,1-Dichloroethene	< 0.60	0.60		ug/m3	1	3/25/2014 9:56:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	3/25/2014 9:56:00 PM
1,2,4-Trimethylbenzene	< 0.75	0.75		ug/m3	1	3/25/2014 9:56:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	3/25/2014 9:56:00 PM
1,2-Dichlorobenzene	< 0.92	0.92		ug/m3	1	3/25/2014 9:56:00 PM
1,2-Dichloroethane	< 0.62	0.62		ug/m3	1	3/25/2014 9:56:00 PM
1,2-Dichloropropane	< 0.70	0.70		ug/m3	1	3/25/2014 9:56:00 PM
1,3,5-Trimethylbenzene	< 0.75	0.75		ug/m3	1	3/25/2014 9:56:00 PM
1,3-butadiene	< 0.34	0.34		ug/m3	1	3/25/2014 9:56:00 PM
1,3-Dichlorobenzene	< 0.92	0.92		ug/m3	1	3/25/2014 9:56:00 PM
1,4-Dichlorobenzene	< 0.92	0.92		ug/m3	1	3/25/2014 9:56:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	3/25/2014 9:56:00 PM
2,2,4-trimethylpentane	< 0.71	0.71		ug/m3	1	3/25/2014 9:56:00 PM
4-ethyltoluene	< 0.75	0.75		ug/m3	1	3/25/2014 9:56:00 PM
Acetone	17	7.2		ug/m3	10	3/26/2014 9:39:00 PM
Allyl chloride	< 0.48	0.48		ug/m3	1	3/25/2014 9:56:00 PM
Benzene	1.7	0.49		ug/m3	1	3/25/2014 9:56:00 PM
Benzyl chloride	< 0.88	0.88		ug/m3	1	3/25/2014 9:56:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	3/25/2014 9:56:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	3/25/2014 9:56:00 PM
Bromomethane	< 0.59	0.59		ug/m3	1	3/25/2014 9:56:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	3/25/2014 9:56:00 PM
Carbon tetrachloride	0.58	0.26		ug/m3	1	3/25/2014 9:56:00 PM
Chlorobenzene	< 0.70	0.70		ug/m3	1	3/25/2014 9:56:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	3/25/2014 9:56:00 PM
Chloroform	< 0.74	0.74		ug/m3	1	3/25/2014 9:56:00 PM
Chloromethane	1.2	0.31		ug/m3	1	3/25/2014 9:56:00 PM
cis-1,2-Dichloroethene	< 0.60	0.60		ug/m3	1	3/25/2014 9:56:00 PM
cis-1,3-Dichloropropene	< 0.69	0.69		ug/m3	1	3/25/2014 9:56:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	3/25/2014 9:56:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	3/25/2014 9:56:00 PM
Ethyl acetate	< 0.92	0.92		ug/m3	1	3/25/2014 9:56:00 PM
Ethylbenzene	< 0.66	0.66		ug/m3	1	3/25/2014 9:56:00 PM
Freon 11	1.9	0.86		ug/m3	1	3/25/2014 9:56:00 PM
Freon 113	< 1.2	1.2		ug/m3	1	3/25/2014 9:56:00 PM
Freon 114	< 1.1	1.1		ug/m3	1	3/25/2014 9:56:00 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: *31-Mar-14*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Basement-IA-031914
Lab Order:	C1403046	**Tag Number:**	545.265
Project:	Northtown Plaza	**Collection Date:**	3/19/2014
Lab ID:	C1403046-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
Freon 12	3.5	0.75		ug/m3	1	3/25/2014 9:56:00 PM
Heptane	0.96	0.62		ug/m3	1	3/25/2014 9:56:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	3/25/2014 9:56:00 PM
Hexane	0.90	0.54		ug/m3	1	3/25/2014 9:56:00 PM
Isopropyl alcohol	5.3	0.37		ug/m3	1	3/25/2014 9:56:00 PM
m&p-Xylene	0.79	1.3	J	ug/m3	1	3/25/2014 9:56:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	3/25/2014 9:56:00 PM
Methyl Ethyl Ketone	1.7	0.90		ug/m3	1	3/25/2014 9:56:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	3/25/2014 9:56:00 PM
Methyl tert-butyl ether	< 0.55	0.55		ug/m3	1	3/25/2014 9:56:00 PM
Methylene chloride	0.64	0.53		ug/m3	1	3/25/2014 9:56:00 PM
o-Xylene	< 0.66	0.66		ug/m3	1	3/25/2014 9:56:00 PM
Propylene	< 0.26	0.26		ug/m3	1	3/25/2014 9:56:00 PM
Styrene	< 0.65	0.65		ug/m3	1	3/25/2014 9:56:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	3/25/2014 9:56:00 PM
Tetrahydrofuran	< 0.45	0.45		ug/m3	1	3/25/2014 9:56:00 PM
Toluene	2.4	0.57		ug/m3	1	3/25/2014 9:56:00 PM
trans-1,2-Dichloroethene	< 0.60	0.60		ug/m3	1	3/25/2014 9:56:00 PM
trans-1,3-Dichloropropene	< 0.69	0.69		ug/m3	1	3/25/2014 9:56:00 PM
Trichloroethene	< 0.22	0.22		ug/m3	1	3/25/2014 9:56:00 PM
Vinyl acetate	< 0.54	0.54		ug/m3	1	3/25/2014 9:56:00 PM
Vinyl Bromide	< 0.67	0.67		ug/m3	1	3/25/2014 9:56:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	3/25/2014 9:56:00 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: *31-Mar-14*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Drycleaner-SS-031914
Lab Order:	C1403046	**Tag Number:**	457.1153
Project:	Northtown Plaza	**Collection Date:**	3/19/2014
Lab ID:	C1403046-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.83	0.83		ug/m3	1	3/26/2014 12:34:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/26/2014 12:34:00 AM
1,1,2-Trichloroethane	< 0.83	0.83		ug/m3	1	3/26/2014 12:34:00 AM
1,1-Dichloroethane	< 0.62	0.62		ug/m3	1	3/26/2014 12:34:00 AM
1,1-Dichloroethene	< 0.60	0.60		ug/m3	1	3/26/2014 12:34:00 AM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	3/26/2014 12:34:00 AM
1,2,4-Trimethylbenzene	6.2	0.75		ug/m3	1	3/26/2014 12:34:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	3/26/2014 12:34:00 AM
1,2-Dichlorobenzene	< 0.92	0.92		ug/m3	1	3/26/2014 12:34:00 AM
1,2-Dichloroethane	< 0.62	0.62		ug/m3	1	3/26/2014 12:34:00 AM
1,2-Dichloropropane	< 0.70	0.70		ug/m3	1	3/26/2014 12:34:00 AM
1,3,5-Trimethylbenzene	1.7	0.75		ug/m3	1	3/26/2014 12:34:00 AM
1,3-butadiene	< 0.34	0.34		ug/m3	1	3/26/2014 12:34:00 AM
1,3-Dichlorobenzene	< 0.92	0.92		ug/m3	1	3/26/2014 12:34:00 AM
1,4-Dichlorobenzene	< 0.92	0.92		ug/m3	1	3/26/2014 12:34:00 AM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	3/26/2014 12:34:00 AM
2,2,4-trimethylpentane	< 0.71	0.71		ug/m3	1	3/26/2014 12:34:00 AM
4-ethyltoluene	2.1	0.75		ug/m3	1	3/26/2014 12:34:00 AM
Acetone	250	65		ug/m3	90	3/27/2014 1:24:00 AM
Allyl chloride	< 0.48	0.48		ug/m3	1	3/26/2014 12:34:00 AM
Benzene	9.4	4.9		ug/m3	10	3/27/2014 12:47:00 AM
Benzyl chloride	< 0.88	0.88		ug/m3	1	3/26/2014 12:34:00 AM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	3/26/2014 12:34:00 AM
Bromoform	< 1.6	1.6		ug/m3	1	3/26/2014 12:34:00 AM
Bromomethane	< 0.59	0.59		ug/m3	1	3/26/2014 12:34:00 AM
Carbon disulfide	1.8	0.47		ug/m3	1	3/26/2014 12:34:00 AM
Carbon tetrachloride	< 0.96	0.96		ug/m3	1	3/26/2014 12:34:00 AM
Chlorobenzene	< 0.70	0.70		ug/m3	1	3/26/2014 12:34:00 AM
Chloroethane	< 0.40	0.40		ug/m3	1	3/26/2014 12:34:00 AM
Chloroform	< 0.74	0.74		ug/m3	1	3/26/2014 12:34:00 AM
Chloromethane	< 0.31	0.31		ug/m3	1	3/26/2014 12:34:00 AM
cis-1,2-Dichloroethene	0.44	0.60	J	ug/m3	1	3/26/2014 12:34:00 AM
cis-1,3-Dichloropropene	< 0.69	0.69		ug/m3	1	3/26/2014 12:34:00 AM
Cyclohexane	57	5.2		ug/m3	10	3/27/2014 12:47:00 AM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	3/26/2014 12:34:00 AM
Ethyl acetate	< 0.92	0.92		ug/m3	1	3/26/2014 12:34:00 AM
Ethylbenzene	5.1	0.66		ug/m3	1	3/26/2014 12:34:00 AM
Freon 11	4.1	0.86		ug/m3	1	3/26/2014 12:34:00 AM
Freon 113	< 1.2	1.2		ug/m3	1	3/26/2014 12:34:00 AM
Freon 114	< 1.1	1.1		ug/m3	1	3/26/2014 12:34:00 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: *31-Mar-14*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Drycleaner-SS-031914
Lab Order:	C1403046	**Tag Number:**	457.1153
Project:	Northtown Plaza	**Collection Date:**	3/19/2014
Lab ID:	C1403046-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	2.4	0.75		ug/m3	1	3/26/2014 12:34:00 AM
Heptane	42	6.2		ug/m3	10	3/27/2014 12:47:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	3/26/2014 12:34:00 AM
Hexane	44	5.4		ug/m3	10	3/27/2014 12:47:00 AM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	3/26/2014 12:34:00 AM
m&p-Xylene	18	1.3		ug/m3	1	3/26/2014 12:34:00 AM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	3/26/2014 12:34:00 AM
Methyl Ethyl Ketone	26	9.0		ug/m3	10	3/27/2014 12:47:00 AM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	3/26/2014 12:34:00 AM
Methyl tert-butyl ether	< 0.55	0.55		ug/m3	1	3/26/2014 12:34:00 AM
Methylene chloride	0.71	0.53		ug/m3	1	3/26/2014 12:34:00 AM
o-Xylene	5.9	0.66		ug/m3	1	3/26/2014 12:34:00 AM
Propylene	< 0.26	0.26		ug/m3	1	3/26/2014 12:34:00 AM
Styrene	5.4	0.65		ug/m3	1	3/26/2014 12:34:00 AM
Tetrachloroethylene	230	97		ug/m3	90	3/27/2014 1:24:00 AM
Tetrahydrofuran	< 0.45	0.45		ug/m3	1	3/26/2014 12:34:00 AM
Toluene	19	5.7		ug/m3	10	3/27/2014 12:47:00 AM
trans-1,2-Dichloroethene	< 0.60	0.60		ug/m3	1	3/26/2014 12:34:00 AM
trans-1,3-Dichloropropene	< 0.69	0.69		ug/m3	1	3/26/2014 12:34:00 AM
Trichloroethene	2.5	0.82		ug/m3	1	3/26/2014 12:34:00 AM
Vinyl acetate	< 0.54	0.54		ug/m3	1	3/26/2014 12:34:00 AM
Vinyl Bromide	< 0.67	0.67		ug/m3	1	3/26/2014 12:34:00 AM
Vinyl chloride	< 0.39	0.39		ug/m3	1	3/26/2014 12:34:00 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: *31-Mar-14*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Drycleaner-IA-031914
Lab Order:	C1403046	**Tag Number:**	188.406
Project:	Northtown Plaza	**Collection Date:**	3/19/2014
Lab ID:	C1403046-004A	**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	< 0.83	0.83		ug/m3	1	3/25/2014 10:36:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/25/2014 10:36:00 PM
1,1,2-Trichloroethane	< 0.83	0.83		ug/m3	1	3/25/2014 10:36:00 PM
1,1-Dichloroethane	< 0.62	0.62		ug/m3	1	3/25/2014 10:36:00 PM
1,1-Dichloroethene	< 0.60	0.60		ug/m3	1	3/25/2014 10:36:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	3/25/2014 10:36:00 PM
1,2,4-Trimethylbenzene	< 0.75	0.75		ug/m3	1	3/25/2014 10:36:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	3/25/2014 10:36:00 PM
1,2-Dichlorobenzene	< 0.92	0.92		ug/m3	1	3/25/2014 10:36:00 PM
1,2-Dichloroethane	< 0.62	0.62		ug/m3	1	3/25/2014 10:36:00 PM
1,2-Dichloropropane	< 0.70	0.70		ug/m3	1	3/25/2014 10:36:00 PM
1,3,5-Trimethylbenzene	< 0.75	0.75		ug/m3	1	3/25/2014 10:36:00 PM
1,3-butadiene	< 0.34	0.34		ug/m3	1	3/25/2014 10:36:00 PM
1,3-Dichlorobenzene	< 0.92	0.92		ug/m3	1	3/25/2014 10:36:00 PM
1,4-Dichlorobenzene	< 0.92	0.92		ug/m3	1	3/25/2014 10:36:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	3/25/2014 10:36:00 PM
2,2,4-trimethylpentane	< 0.71	0.71		ug/m3	1	3/25/2014 10:36:00 PM
4-ethyltoluene	< 0.75	0.75		ug/m3	1	3/25/2014 10:36:00 PM
Acetone	4.3	2.9		ug/m3	4	3/27/2014 2:37:00 PM
Allyl chloride	< 0.48	0.48		ug/m3	1	3/25/2014 10:36:00 PM
Benzene	0.68	0.49		ug/m3	1	3/25/2014 10:36:00 PM
Benzyl chloride	< 0.88	0.88		ug/m3	1	3/25/2014 10:36:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	3/25/2014 10:36:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	3/25/2014 10:36:00 PM
Bromomethane	< 0.59	0.59		ug/m3	1	3/25/2014 10:36:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	3/25/2014 10:36:00 PM
Carbon tetrachloride	< 0.26	0.26		ug/m3	1	3/25/2014 10:36:00 PM
Chlorobenzene	< 0.70	0.70		ug/m3	1	3/25/2014 10:36:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	3/25/2014 10:36:00 PM
Chloroform	< 0.74	0.74		ug/m3	1	3/25/2014 10:36:00 PM
Chloromethane	0.57	0.31		ug/m3	1	3/25/2014 10:36:00 PM
cis-1,2-Dichloroethene	< 0.60	0.60		ug/m3	1	3/25/2014 10:36:00 PM
cis-1,3-Dichloropropene	< 0.69	0.69		ug/m3	1	3/25/2014 10:36:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	3/25/2014 10:36:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	3/25/2014 10:36:00 PM
Ethyl acetate	< 0.92	0.92		ug/m3	1	3/25/2014 10:36:00 PM
Ethylbenzene	< 0.66	0.66		ug/m3	1	3/25/2014 10:36:00 PM
Freon 11	0.69	0.86	J	ug/m3	1	3/25/2014 10:36:00 PM
Freon 113	< 1.2	1.2		ug/m3	1	3/25/2014 10:36:00 PM
Freon 114	< 1.1	1.1		ug/m3	1	3/25/2014 10:36:00 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: *31-Mar-14*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Drycleaner-IA-031914
Lab Order:	C1403046	**Tag Number:**	188.406
Project:	Northtown Plaza	**Collection Date:**	3/19/2014
Lab ID:	C1403046-004A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
Freon 12	1.2	0.75		ug/m3	1	3/25/2014 10:36:00 PM
Heptane	0.58	0.62	J	ug/m3	1	3/25/2014 10:36:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	3/25/2014 10:36:00 PM
Hexane	0.54	0.54		ug/m3	1	3/25/2014 10:36:00 PM
Isopropyl alcohol	3.2	1.5		ug/m3	4	3/27/2014 2:37:00 PM
m&p-Xylene	0.84	1.3	J	ug/m3	1	3/25/2014 10:36:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	3/25/2014 10:36:00 PM
Methyl Ethyl Ketone	1.1	0.90		ug/m3	1	3/25/2014 10:36:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	3/25/2014 10:36:00 PM
Methyl tert-butyl ether	< 0.55	0.55		ug/m3	1	3/25/2014 10:36:00 PM
Methylene chloride	< 0.53	0.53		ug/m3	1	3/25/2014 10:36:00 PM
o-Xylene	< 0.66	0.66		ug/m3	1	3/25/2014 10:36:00 PM
Propylene	< 0.26	0.26		ug/m3	1	3/25/2014 10:36:00 PM
Styrene	< 0.65	0.65		ug/m3	1	3/25/2014 10:36:00 PM
Tetrachloroethylene	60	4.1		ug/m3	4	3/27/2014 2:37:00 PM
Tetrahydrofuran	< 0.45	0.45		ug/m3	1	3/25/2014 10:36:00 PM
Toluene	1.7	0.57		ug/m3	1	3/25/2014 10:36:00 PM
trans-1,2-Dichloroethene	< 0.60	0.60		ug/m3	1	3/25/2014 10:36:00 PM
trans-1,3-Dichloropropene	< 0.69	0.69		ug/m3	1	3/25/2014 10:36:00 PM
Trichloroethene	2.4	0.22		ug/m3	1	3/25/2014 10:36:00 PM
Vinyl acetate	< 0.54	0.54		ug/m3	1	3/25/2014 10:36:00 PM
Vinyl Bromide	< 0.67	0.67		ug/m3	1	3/25/2014 10:36:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	3/25/2014 10:36:00 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: *31-Mar-14*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Outdoor Air-031914
Lab Order:	C1403046	**Tag Number:**	1178.249
Project:	Northtown Plaza	**Collection Date:**	3/19/2014
Lab ID:	C1403046-005A	**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	< 0.83	0.83		ug/m3	1	3/31/2014 12:50:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/31/2014 12:50:00 PM
1,1,2-Trichloroethane	< 0.83	0.83		ug/m3	1	3/31/2014 12:50:00 PM
1,1-Dichloroethane	< 0.62	0.62		ug/m3	1	3/31/2014 12:50:00 PM
1,1-Dichloroethene	< 0.60	0.60		ug/m3	1	3/31/2014 12:50:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	3/31/2014 12:50:00 PM
1,2,4-Trimethylbenzene	< 0.75	0.75		ug/m3	1	3/31/2014 12:50:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	3/31/2014 12:50:00 PM
1,2-Dichlorobenzene	< 0.92	0.92		ug/m3	1	3/31/2014 12:50:00 PM
1,2-Dichloroethane	< 0.62	0.62		ug/m3	1	3/31/2014 12:50:00 PM
1,2-Dichloropropane	< 0.70	0.70		ug/m3	1	3/31/2014 12:50:00 PM
1,3,5-Trimethylbenzene	< 0.75	0.75		ug/m3	1	3/31/2014 12:50:00 PM
1,3-butadiene	< 0.34	0.34		ug/m3	1	3/31/2014 12:50:00 PM
1,3-Dichlorobenzene	< 0.92	0.92		ug/m3	1	3/31/2014 12:50:00 PM
1,4-Dichlorobenzene	< 0.92	0.92		ug/m3	1	3/31/2014 12:50:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	3/31/2014 12:50:00 PM
2,2,4-trimethylpentane	< 0.71	0.71		ug/m3	1	3/31/2014 12:50:00 PM
4-ethyltoluene	< 0.75	0.75		ug/m3	1	3/31/2014 12:50:00 PM
Acetone	11	3.6		ug/m3	5	3/31/2014 1:30:00 PM
Allyl chloride	< 0.48	0.48		ug/m3	1	3/31/2014 12:50:00 PM
Benzene	0.62	0.49		ug/m3	1	3/31/2014 12:50:00 PM
Benzyl chloride	< 0.88	0.88		ug/m3	1	3/31/2014 12:50:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	3/31/2014 12:50:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	3/31/2014 12:50:00 PM
Bromomethane	< 0.59	0.59		ug/m3	1	3/31/2014 12:50:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	3/31/2014 12:50:00 PM
Carbon tetrachloride	0.51	0.26		ug/m3	1	3/31/2014 12:50:00 PM
Chlorobenzene	< 0.70	0.70		ug/m3	1	3/31/2014 12:50:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	3/31/2014 12:50:00 PM
Chloroform	< 0.74	0.74		ug/m3	1	3/31/2014 12:50:00 PM
Chloromethane	0.84	0.31		ug/m3	1	3/31/2014 12:50:00 PM
cis-1,2-Dichloroethene	< 0.60	0.60		ug/m3	1	3/31/2014 12:50:00 PM
cis-1,3-Dichloropropene	< 0.69	0.69		ug/m3	1	3/31/2014 12:50:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	3/31/2014 12:50:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	3/31/2014 12:50:00 PM
Ethyl acetate	< 0.92	0.92		ug/m3	1	3/31/2014 12:50:00 PM
Ethylbenzene	< 0.66	0.66		ug/m3	1	3/31/2014 12:50:00 PM
Freon 11	1.5	0.86		ug/m3	1	3/31/2014 12:50:00 PM
Freon 113	< 1.2	1.2		ug/m3	1	3/31/2014 12:50:00 PM
Freon 114	< 1.1	1.1		ug/m3	1	3/31/2014 12:50:00 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: *31-Mar-14*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Outdoor Air-031914
Lab Order:	C1403046	**Tag Number:**	1178.249
Project:	Northtown Plaza	**Collection Date:**	3/19/2014
Lab ID:	C1403046-005A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
Freon 12	2.9	0.75		ug/m3	1	3/31/2014 12:50:00 PM
Heptane	< 0.62	0.62		ug/m3	1	3/31/2014 12:50:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	3/31/2014 12:50:00 PM
Hexane	0.47	0.54	J	ug/m3	1	3/31/2014 12:50:00 PM
Isopropyl alcohol	5.6	1.9		ug/m3	5	3/31/2014 1:30:00 PM
m&p-Xylene	0.93	1.3	J	ug/m3	1	3/31/2014 12:50:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	3/31/2014 12:50:00 PM
Methyl Ethyl Ketone	0.96	0.90		ug/m3	1	3/31/2014 12:50:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	3/31/2014 12:50:00 PM
Methyl tert-butyl ether	< 0.55	0.55		ug/m3	1	3/31/2014 12:50:00 PM
Methylene chloride	0.49	0.53	J	ug/m3	1	3/31/2014 12:50:00 PM
o-Xylene	< 0.66	0.66		ug/m3	1	3/31/2014 12:50:00 PM
Propylene	< 0.26	0.26		ug/m3	1	3/31/2014 12:50:00 PM
Styrene	< 0.65	0.65		ug/m3	1	3/31/2014 12:50:00 PM
Tetrachloroethylene	1.3	1.0		ug/m3	1	3/31/2014 12:50:00 PM
Tetrahydrofuran	< 0.45	0.45		ug/m3	1	3/31/2014 12:50:00 PM
Toluene	1.5	0.57		ug/m3	1	3/31/2014 12:50:00 PM
trans-1,2-Dichloroethene	< 0.60	0.60		ug/m3	1	3/31/2014 12:50:00 PM
trans-1,3-Dichloropropene	< 0.69	0.69		ug/m3	1	3/31/2014 12:50:00 PM
Trichloroethene	< 0.22	0.22		ug/m3	1	3/31/2014 12:50:00 PM
Vinyl acetate	< 0.54	0.54		ug/m3	1	3/31/2014 12:50:00 PM
Vinyl Bromide	< 0.67	0.67		ug/m3	1	3/31/2014 12:50:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	3/31/2014 12:50:00 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: *16-May-14*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Manhattan-SS-050814
Lab Order:	C1405025	**Tag Number:**	96.256
Project:	Northtown Plaza	**Collection Date:**	5/8/2014
Lab ID:	C1405025-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
1,1,1-Trichloroethane	< 0.83	0.83		ug/m3	1	5/12/2014 5:46:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	5/12/2014 5:46:00 PM
1,1,2-Trichloroethane	< 0.83	0.83		ug/m3	1	5/12/2014 5:46:00 PM
1,1-Dichloroethane	< 0.62	0.62		ug/m3	1	5/12/2014 5:46:00 PM
1,1-Dichloroethene	< 0.60	0.60		ug/m3	1	5/12/2014 5:46:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	5/12/2014 5:46:00 PM
1,2,4-Trimethylbenzene	33	7.5		ug/m3	10	5/13/2014 10:10:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	5/12/2014 5:46:00 PM
1,2-Dichlorobenzene	< 0.92	0.92		ug/m3	1	5/12/2014 5:46:00 PM
1,2-Dichloroethane	< 0.62	0.62		ug/m3	1	5/12/2014 5:46:00 PM
1,2-Dichloropropane	< 0.70	0.70		ug/m3	1	5/12/2014 5:46:00 PM
1,3,5-Trimethylbenzene	13	7.5		ug/m3	10	5/13/2014 10:10:00 AM
1,3-butadiene	< 0.34	0.34		ug/m3	1	5/12/2014 5:46:00 PM
1,3-Dichlorobenzene	< 0.92	0.92		ug/m3	1	5/12/2014 5:46:00 PM
1,4-Dichlorobenzene	< 0.92	0.92		ug/m3	1	5/12/2014 5:46:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	5/12/2014 5:46:00 PM
2,2,4-trimethylpentane	< 0.71	0.71		ug/m3	1	5/12/2014 5:46:00 PM
4-ethyltoluene	8.2	0.75		ug/m3	1	5/12/2014 5:46:00 PM
Acetone	71	29		ug/m3	40	5/13/2014 11:26:00 AM
Allyl chloride	< 0.48	0.48		ug/m3	1	5/12/2014 5:46:00 PM
Benzene	59	4.9		ug/m3	10	5/13/2014 10:10:00 AM
Benzyl chloride	< 0.88	0.88		ug/m3	1	5/12/2014 5:46:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	5/12/2014 5:46:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	5/12/2014 5:46:00 PM
Bromomethane	< 0.59	0.59		ug/m3	1	5/12/2014 5:46:00 PM
Carbon disulfide	410	30		ug/m3	64	5/13/2014 7:44:00 PM
Carbon tetrachloride	0.45	0.96	J	ug/m3	1	5/12/2014 5:46:00 PM
Chlorobenzene	< 0.70	0.70		ug/m3	1	5/12/2014 5:46:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	5/12/2014 5:46:00 PM
Chloroform	< 0.74	0.74		ug/m3	1	5/12/2014 5:46:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	5/12/2014 5:46:00 PM
cis-1,2-Dichloroethene	< 0.60	0.60		ug/m3	1	5/12/2014 5:46:00 PM
cis-1,3-Dichloropropene	< 0.69	0.69		ug/m3	1	5/12/2014 5:46:00 PM
Cyclohexane	130	21		ug/m3	40	5/13/2014 11:26:00 AM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	5/12/2014 5:46:00 PM
Ethyl acetate	< 0.92	0.92		ug/m3	1	5/12/2014 5:46:00 PM
Ethylbenzene	27	6.6		ug/m3	10	5/13/2014 10:10:00 AM
Freon 11	14	8.6		ug/m3	10	5/13/2014 10:10:00 AM
Freon 113	< 1.2	1.2		ug/m3	1	5/12/2014 5:46:00 PM
Freon 114	< 1.1	1.1		ug/m3	1	5/12/2014 5:46:00 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: *16-May-14*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Manhattan-SS-050814
Lab Order:	C1405025	**Tag Number:**	96.256
Project:	Northtown Plaza	**Collection Date:**	5/8/2014
Lab ID:	C1405025-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **RJP**
Freon 12	3.8	0.75		ug/m3	1	5/12/2014 5:46:00 PM
Heptane	160	25		ug/m3	40	5/13/2014 11:26:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	5/12/2014 5:46:00 PM
Hexane	170	21		ug/m3	40	5/13/2014 11:26:00 AM
Isopropyl alcohol	12	3.7		ug/m3	10	5/13/2014 10:10:00 AM
m&p-Xylene	88	53		ug/m3	40	5/13/2014 11:26:00 AM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	5/12/2014 5:46:00 PM
Methyl Ethyl Ketone	< 0.90	0.90		ug/m3	1	5/12/2014 5:46:00 PM
Methyl Isobutyl Ketone	19	12		ug/m3	10	5/13/2014 10:10:00 AM
Methyl tert-butyl ether	< 0.55	0.55		ug/m3	1	5/12/2014 5:46:00 PM
Methylene chloride	0.99	0.53		ug/m3	1	5/12/2014 5:46:00 PM
o-Xylene	36	6.6		ug/m3	10	5/13/2014 10:10:00 AM
Propylene	< 0.26	0.26		ug/m3	1	5/12/2014 5:46:00 PM
Styrene	< 0.65	0.65		ug/m3	1	5/12/2014 5:46:00 PM
Tetrachloroethylene	13000	660	E	ug/m3	640	5/13/2014 6:56:00 PM
Tetrahydrofuran	< 0.45	0.45		ug/m3	1	5/12/2014 5:46:00 PM
Toluene	170	23		ug/m3	40	5/13/2014 11:26:00 AM
trans-1,2-Dichloroethene	< 0.60	0.60		ug/m3	1	5/12/2014 5:46:00 PM
trans-1,3-Dichloropropene	< 0.69	0.69		ug/m3	1	5/12/2014 5:46:00 PM
Trichloroethene	32	8.2		ug/m3	10	5/13/2014 10:10:00 AM
Vinyl acetate	< 0.54	0.54		ug/m3	1	5/12/2014 5:46:00 PM
Vinyl Bromide	< 0.67	0.67		ug/m3	1	5/12/2014 5:46:00 PM
Vinyl chloride	< 0.39	0.39		ug/m3	1	5/12/2014 5:46:00 PM

NOTES:

E - Estimated value. The amount exceeds the linear working range of the instrument. See TO-15 for final results.

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
5PPB BY METHOD TO15		**TO-15**				Analyst: **LL**
Tetrachloroethylene	6400	1100		ug/m3	32	5/15/2014

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: *16-May-14*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Manhattan-IA-050814
Lab Order:	C1405025	**Tag Number:**	202.402
Project:	Northtown Plaza	**Collection Date:**	5/8/2014
Lab ID:	C1405025-002A	**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	< 0.83	0.83		ug/m3	1	5/12/2014 6:28:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	5/12/2014 6:28:00 PM
1,1,2-Trichloroethane	< 0.83	0.83		ug/m3	1	5/12/2014 6:28:00 PM
1,1-Dichloroethane	< 0.62	0.62		ug/m3	1	5/12/2014 6:28:00 PM
1,1-Dichloroethene	< 0.60	0.60		ug/m3	1	5/12/2014 6:28:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	5/12/2014 6:28:00 PM
1,2,4-Trimethylbenzene	2.0	0.75		ug/m3	1	5/12/2014 6:28:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	5/12/2014 6:28:00 PM
1,2-Dichlorobenzene	< 0.92	0.92		ug/m3	1	5/12/2014 6:28:00 PM
1,2-Dichloroethane	< 0.62	0.62		ug/m3	1	5/12/2014 6:28:00 PM
1,2-Dichloropropane	< 0.70	0.70		ug/m3	1	5/12/2014 6:28:00 PM
1,3,5-Trimethylbenzene	0.85	0.75		ug/m3	1	5/12/2014 6:28:00 PM
1,3-butadiene	< 0.34	0.34		ug/m3	1	5/12/2014 6:28:00 PM
1,3-Dichlorobenzene	< 0.92	0.92		ug/m3	1	5/12/2014 6:28:00 PM
1,4-Dichlorobenzene	< 0.92	0.92		ug/m3	1	5/12/2014 6:28:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	5/12/2014 6:28:00 PM
2,2,4-trimethylpentane	< 0.71	0.71		ug/m3	1	5/12/2014 6:28:00 PM
4-ethyltoluene	< 0.75	0.75		ug/m3	1	5/12/2014 6:28:00 PM
Acetone	26	7.2		ug/m3	10	5/13/2014 10:48:00 AM
Allyl chloride	< 0.48	0.48		ug/m3	1	5/12/2014 6:28:00 PM
Benzene	0.52	0.49		ug/m3	1	5/12/2014 6:28:00 PM
Benzyl chloride	< 0.88	0.88		ug/m3	1	5/12/2014 6:28:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	5/12/2014 6:28:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	5/12/2014 6:28:00 PM
Bromomethane	< 0.59	0.59		ug/m3	1	5/12/2014 6:28:00 PM
Carbon disulfide	0.54	0.47		ug/m3	1	5/12/2014 6:28:00 PM
Carbon tetrachloride	0.45	0.26		ug/m3	1	5/12/2014 6:28:00 PM
Chlorobenzene	< 0.70	0.70		ug/m3	1	5/12/2014 6:28:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	5/12/2014 6:28:00 PM
Chloroform	< 0.74	0.74		ug/m3	1	5/12/2014 6:28:00 PM
Chloromethane	0.94	0.31		ug/m3	1	5/12/2014 6:28:00 PM
cis-1,2-Dichloroethene	< 0.60	0.60		ug/m3	1	5/12/2014 6:28:00 PM
cis-1,3-Dichloropropene	< 0.69	0.69		ug/m3	1	5/12/2014 6:28:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	5/12/2014 6:28:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	5/12/2014 6:28:00 PM
Ethyl acetate	0.70	0.92	J	ug/m3	1	5/12/2014 6:28:00 PM
Ethylbenzene	< 0.66	0.66		ug/m3	1	5/12/2014 6:28:00 PM
Freon 11	37	8.6		ug/m3	10	5/13/2014 10:48:00 AM
Freon 113	< 1.2	1.2		ug/m3	1	5/12/2014 6:28:00 PM
Freon 114	< 1.1	1.1		ug/m3	1	5/12/2014 6:28:00 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: *16-May-14*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Manhattan-IA-050814
Lab Order:	C1405025	**Tag Number:**	202.402
Project:	Northtown Plaza	**Collection Date:**	5/8/2014
Lab ID:	C1405025-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 CT-TCE-VC		**TO-15**				Analyst: **RJP**
Freon 12	6.7	0.75		ug/m3	1	5/12/2014 6:28:00 PM
Heptane	0.92	0.62		ug/m3	1	5/12/2014 6:28:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	5/12/2014 6:28:00 PM
Hexane	0.97	0.54		ug/m3	1	5/12/2014 6:28:00 PM
Isopropyl alcohol	9.7	3.7		ug/m3	10	5/13/2014 10:48:00 AM
m&p-Xylene	1.3	1.3	J	ug/m3	1	5/12/2014 6:28:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	5/12/2014 6:28:00 PM
Methyl Ethyl Ketone	2.0	0.90		ug/m3	1	5/12/2014 6:28:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	5/12/2014 6:28:00 PM
Methyl tert-butyl ether	< 0.55	0.55		ug/m3	1	5/12/2014 6:28:00 PM
Methylene chloride	1.6	0.53		ug/m3	1	5/12/2014 6:28:00 PM
o-Xylene	0.57	0.66	J	ug/m3	1	5/12/2014 6:28:00 PM
Propylene	< 0.26	0.26		ug/m3	1	5/12/2014 6:28:00 PM
Styrene	< 0.65	0.65		ug/m3	1	5/12/2014 6:28:00 PM
Tetrachloroethylene	70	10		ug/m3	10	5/13/2014 10:48:00 AM
Tetrahydrofuran	< 0.45	0.45		ug/m3	1	5/12/2014 6:28:00 PM
Toluene	2.0	0.57		ug/m3	1	5/12/2014 6:28:00 PM
trans-1,2-Dichloroethene	< 0.60	0.60		ug/m3	1	5/12/2014 6:28:00 PM
trans-1,3-Dichloropropene	< 0.69	0.69		ug/m3	1	5/12/2014 6:28:00 PM
Trichloroethene	0.22	0.22		ug/m3	1	5/12/2014 6:28:00 PM
Vinyl acetate	< 0.54	0.54		ug/m3	1	5/12/2014 6:28:00 PM
Vinyl Bromide	< 0.67	0.67		ug/m3	1	5/12/2014 6:28:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	5/12/2014 6:28:00 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: *16-May-14*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Outdoor Air-050814
Lab Order:	C1405025	**Tag Number:**	136.277
Project:	Northtown Plaza	**Collection Date:**	5/8/2014
Lab ID:	C1405025-003A	**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	27	8.3		ug/m3	10	5/13/2014 4:42:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	5/12/2014 5:05:00 PM
1,1,2-Trichloroethane	< 0.83	0.83		ug/m3	1	5/12/2014 5:05:00 PM
1,1-Dichloroethane	2.3	0.62		ug/m3	1	5/12/2014 5:05:00 PM
1,1-Dichloroethene	3.0	0.60		ug/m3	1	5/12/2014 5:05:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	5/12/2014 5:05:00 PM
1,2,4-Trimethylbenzene	0.50	0.75	J	ug/m3	1	5/12/2014 5:05:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	5/12/2014 5:05:00 PM
1,2-Dichlorobenzene	< 0.92	0.92		ug/m3	1	5/12/2014 5:05:00 PM
1,2-Dichloroethane	< 0.62	0.62		ug/m3	1	5/12/2014 5:05:00 PM
1,2-Dichloropropane	< 0.70	0.70		ug/m3	1	5/12/2014 5:05:00 PM
1,3,5-Trimethylbenzene	< 0.75	0.75		ug/m3	1	5/12/2014 5:05:00 PM
1,3-butadiene	< 0.34	0.34		ug/m3	1	5/12/2014 5:05:00 PM
1,3-Dichlorobenzene	< 0.92	0.92		ug/m3	1	5/12/2014 5:05:00 PM
1,4-Dichlorobenzene	< 0.92	0.92		ug/m3	1	5/12/2014 5:05:00 PM
1,4-Dioxane	42	11		ug/m3	10	5/13/2014 4:42:00 PM
2,2,4-trimethylpentane	< 0.71	0.71		ug/m3	1	5/12/2014 5:05:00 PM
4-ethyltoluene	< 0.75	0.75		ug/m3	1	5/12/2014 5:05:00 PM
Acetone	24	7.2		ug/m3	10	5/13/2014 4:42:00 PM
Allyl chloride	< 0.48	0.48		ug/m3	1	5/12/2014 5:05:00 PM
Benzene	0.68	0.49		ug/m3	1	5/12/2014 5:05:00 PM
Benzyl chloride	< 0.88	0.88		ug/m3	1	5/12/2014 5:05:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	5/12/2014 5:05:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	5/12/2014 5:05:00 PM
Bromomethane	< 0.59	0.59		ug/m3	1	5/12/2014 5:05:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	5/12/2014 5:05:00 PM
Carbon tetrachloride	0.51	0.26		ug/m3	1	5/12/2014 5:05:00 PM
Chlorobenzene	< 0.70	0.70		ug/m3	1	5/12/2014 5:05:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	5/12/2014 5:05:00 PM
Chloroform	< 0.74	0.74		ug/m3	1	5/12/2014 5:05:00 PM
Chloromethane	0.84	0.31		ug/m3	1	5/12/2014 5:05:00 PM
cis-1,2-Dichloroethene	< 0.60	0.60		ug/m3	1	5/12/2014 5:05:00 PM
cis-1,3-Dichloropropene	< 0.69	0.69		ug/m3	1	5/12/2014 5:05:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	5/12/2014 5:05:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	5/12/2014 5:05:00 PM
Ethyl acetate	< 0.92	0.92		ug/m3	1	5/12/2014 5:05:00 PM
Ethylbenzene	< 0.66	0.66		ug/m3	1	5/12/2014 5:05:00 PM
Freon 11	1.4	0.86		ug/m3	1	5/12/2014 5:05:00 PM
Freon 113	< 1.2	1.2		ug/m3	1	5/12/2014 5:05:00 PM
Freon 114	< 1.1	1.1		ug/m3	1	5/12/2014 5:05:00 PM

Qualifiers:

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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: *16-May-14*

CLIENT:	GZA GeoEnvironmental, Inc.	**Client Sample ID:**	Outdoor Air-050814
Lab Order:	C1405025	**Tag Number:**	136.277
Project:	Northtown Plaza	**Collection Date:**	5/8/2014
Lab ID:	C1405025-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
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Heptane	0.79	0.62		ug/m3	1	5/12/2014 5:05:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	5/12/2014 5:05:00 PM
Hexane	0.61	0.54		ug/m3	1	5/12/2014 5:05:00 PM
Isopropyl alcohol	1.5	0.37		ug/m3	1	5/12/2014 5:05:00 PM
m&p-Xylene	0.79	1.3	J	ug/m3	1	5/12/2014 5:05:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	5/12/2014 5:05:00 PM
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Methylene chloride	1.6	0.53		ug/m3	1	5/12/2014 5:05:00 PM
o-Xylene	< 0.66	0.66		ug/m3	1	5/12/2014 5:05:00 PM
Propylene	< 0.26	0.26		ug/m3	1	5/12/2014 5:05:00 PM
Styrene	< 0.65	0.65		ug/m3	1	5/12/2014 5:05:00 PM
Tetrachloroethylene	0.90	1.0	J	ug/m3	1	5/12/2014 5:05:00 PM
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Trichloroethene	< 0.22	0.22		ug/m3	1	5/12/2014 5:05:00 PM
Vinyl acetate	< 0.54	0.54		ug/m3	1	5/12/2014 5:05:00 PM
Vinyl Bromide	< 0.67	0.67		ug/m3	1	5/12/2014 5:05:00 PM
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Qualifiers:				
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