PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

24 AND 32 YORK STREET
ROCHESTER, NEW YORK
NYSDEC SPILL #1901036

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1.0 INTRODUCTION

Day Environmental, Inc. (DAY) prepared this report for the City of Rochester (City) in accordance with the provisions of a proposal dated October 16, 2019 and executed by the City on October 24, 2019. This report describes the results of a Phase II Environmental Site Assessment (Phase II ESA) completed at two parcels addressed as 24 and 32 York Street, Rochester, New York (Site) in accordance with American Society for Testing and Materials (ASTM) Standard Practice E1903-11.

1.1 Background

The 24 York Street parcel is approximately 0.17-acre in size and the 32 York Street parcel is approximately 0.16-acre in size. The approximate 0.33-acre Site is currently improved with an approximate 4,706 square-foot building that is used as a church and an asphalt-paved parking lot. A project locus map is included as Figure 1. The City acquired the Site in September 2019.

January 3, 2018 Phase I Environmental Site Assessment (Phase I ESA) reports completed by DAY for the 24 York Street parcel and the 32 York Street parcel identified the following as recognized environmental condition(s):

1. Historic Uses of 24 York Street Parcel

   The 24 York Street portion of the Site was used as a blacksmith shop and a wood working shop in at least 1892; a blacksmith shop, wagon shop, and painting and harness shop in at least 1912; an auto repair facility in at least 1924; a gasoline station (with at least eight underground tanks [USTs] and at least six pump dispensers) from at least 1925 through at least 1954; an auto repair facility and blacksmith shop in at least 1929-30; a blacksmith shop in at least 1935 and 1950; an auto repair facility from at least 1941 to at least 1973; and an auto sales facility in at least 1978.

2. Historical Uses and Regulatory Listings of Adjoining/Nearby Properties

   Provided below is a summary of information that was obtained as part of the Phase I ESAs that suggested a recognized environmental condition in relation to the Site that is associated with historical uses and regulatory listings of adjoining/nearby properties:

   - A Federal Brownfield Site identified as "68-92 Genesee Street" located at 68-92 Genesee Street which is located approximately 0.2 miles south/southeast (i.e., assumed hydraulically crossgradient/upgradient direction) of the Site. This property is identified as a former dry cleaner, automobile sales and service facility, and a gasoline station. This property is also identified as active New York State Department of Environmental Conservation (NYSDEC) Spill/Leaking Storage Tank (LST) #1603662. Contamination at this nearby property reportedly includes tetrachloroethylene (i.e., a chlorinated volatile organic compound [CVOC]).
   - Historic uses of properties that adjoin the Site to the south (i.e., assumed hydraulically crossgradient/upgradient direction) across Ruby Alley include auto repair facilities, a coal company, tailors, a milliner, a sewing machine company, a sheet metal worker, "mill remnants", various heating contractors, etc.

- Historic uses of properties that adjoin the Site to the west (i.e., assumed hydraulically crossgradient/upgradient direction) across York Street include auto repair facilities and a locksmith.
- Four NYSDEC spills (i.e., #8503751, #8706240, #8907250, and #0550459) occurred at 926-936 West Main Street, which adjoins the Site to the south across Ruby Alley (i.e., assumed hydraulically crossgradient/upgradient direction of the Site).
- NYSDEC Spill #1301329 occurred at 904 West Main Street, which is located approximately 30 feet (ft.) southeast (i.e., assumed hydraulically crossgradient direction of the Site) and was reported on May 8, 2013. The Spill Report Form (SRF) states, "…there was a rectangular shaped UST found at the site…Sampling results are mostly below DEC Guidelines (a few minor exceedances)…MZ indicated that a soil management plan can be prepared to address residual impacts or the impacts can be excavated". Information previously obtained by DAY regarding this spill incident state that analytical results obtained indicated that petroleum-related semi-volatile organic compounds (SVOCs) and the metals mercury and lead exceeded their respective Commissioners Policy 51 (CP-51) guidelines for Unrestricted Use Soil Clean-Up Objectives (SCOs). In addition, benzo(a)pyrene, an SVOC was detected above its NYSDEC Part 375-6.8(b) Restricted Use SCO for a commercial site.
- NYSDEC Spill #8906360 was reported as occurring on the Site (i.e., 32 York Street). Note, the spiller associated with this incident is identified as Universal Heating [see below regarding a summary of spills that occurred at 926-936 West Main Street, which is located approximately 75 ft. south of the Site]. In addition, it is possible that this spill occurred on the parcel addressed as 42 York Street (i.e., in the parking lot that adjoins the Site to the east.)
- Historic uses of the adjoining property to the north (i.e., assumed hydraulically downgradient direction) of the Site across a driveway include an upholsterer from at least 1949 to at least 1971; an auto repair facility (i.e., collision shop) from at least 1973 to at least 1992; and a car wash/auto detail facility from at least 2006 to at least 2011.
- Numerous properties that are located in the vicinity of the Site were included as part of an Environmental Screen of 103 parcels of land that was performed by DAY in 2009. The 2009 report indicated the potential presence of contamination on these nearby properties due to known and suspect USTs and aboveground storage tanks (ASTs), and historical uses.

In 2019, Preliminary Phase II Environmental Site Assessments (Preliminary Phase II ESAs) were completed by DAY for the 24 York Street parcel and the 32 York Street parcel. In combination, this work included: a geophysical survey to look for anomalies that could suggest the presence of abandoned underground storage tanks; the advancement of 12 test borings; the installation of ten temporary monitoring wells within ten of these test borings; and the collection and laboratory analysis of soil and groundwater samples. The results of these studies are documented in June 19, 2019 Preliminary Phase II Environmental Site Assessment (Preliminary Phase II ESA) reports. The results of the Preliminary Phase II ESA work are summarized below.

- The geophysical survey did not detect the presence of USTs within the study area at the Site, which suggests any previous tanks have been removed.
- Field evidence of potential petroleum-type impact [e.g., photoionization detector (PID) readings up to 1,067 parts per million (ppm), petroleum-type odors and sheen] was documented at six of the test borings. Petroleum sheen and/or light non-aqueous phase liquid (LNAPL) were also

detected on groundwater at temporary monitoring wells TMW-06-24 and TMW-08-24 on the 24 York Street parcel, and TMW-03-32 on the 32 York Street parcel. Analytical laboratory testing indicates that volatile organic compounds (VOCs) and/or SVOCs associated with this petroleum impact exceeded some NYSDEC Part 375 Unrestricted Use SCOs and/or NYSDEC CP-51 soil cleanup levels (SCLs), but did not exceed the NYSDEC Part 375 Restricted Residential Use SCOs or Commercial Use SCOs. One or more VOC concentrations detected in some of the groundwater samples exceeded NYSDEC groundwater standards or guidance values referenced in the document titled "Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (TOGS 1.1.1). Based on the evidence of petroleum impact encountered during the Preliminary Phase II ESAs, a spill was reported to the NSYDEC on April 30, 2019. The NYSDEC opened Spill File #1901036, which currently has an active status.

- Fill material that contained trace to layers of ash, coal, brick, concrete, and/or cinders was observed. Analytical laboratory testing indicates the some SVOCs and metals in this fill material exceeds some NYSDEC Part 375 Unrestricted Use SCOs, Restricted Residential Use SCOs, and/or Commercial Use SCOs.
- PCBs were not detected at concentrations above the laboratory method detection limits.

It was concluded that the former uses of the Site (e.g., gasoline station) have impacted soil/fill and groundwater at the Site, primarily with petroleum-related constituents. The top of petroleum-impacted soil/fill that exhibited nuisance characteristics (e.g., odors) at some of the test boring locations was encountered at depths ranging between 0.5 and 8.5 feet below the ground surface (bgs). As a result, it is possible that petroleum-impacted soil/fill could be encountered during future subsurface work (e.g., utility work, redevelopment activities, etc.).

A recommendation in the Preliminary Phase II ESAs was to complete additional investigation and remediation in relation to the on-site petroleum impacts associated with Spill File #1901036.

1.2 Applicable Project Standards, Criteria and Guidance

The applicable standards, criteria and guidance documents that were referenced as part of this study are summarized below:

- SCOs and other guidance as set forth in 6 New York Codes, Rules and Regulation (NYCRR) Part 375 Environmental Remediation Program dated December 14, 2006.
- Guidelines referenced in the NYSDEC document titled "DER-10 Technical Guidance for Site Investigation and Remediation" dated May 2010 (DER-10).
- SCLs and other guidance as set forth in the NYSDEC document titled "CP-51/Soil Cleanup Guidance" dated October 21, 2010.
- Groundwater standards and guidance values as set forth in TOGS 1.1.1 dated June 1998 with April 2000 and June 2004 Addendums.

1.3 Purpose

The purpose of this Phase II ESA was to complete intrusive studies to further evaluate the extent of petroleum impact at the Site.

2.0 FIELDWORK AND ANALYTICAL LABORATORY TESTING

As part of this Phase II ESA, various tasks were performed at the Site. These tasks are discussed in this section. A Photo Log depicting the Site conditions and some Phase II ESA field activity is included as Appendix A.

2.1 Subsurface Evaluation

On October 30, 2019, TREC Environmental, Inc. (TREC), a subcontractor retained by DAY, advanced eight test borings (designated as TB-05-32, TB-06-32. TB-09-24 through TB-14-24) on the Site using a Geoprobe direct-push drill-rig. Due to proximity of buried utilities, the asphalt was sawcut and a compressed air knife system was used to hand-clear test locations TB-05-32, TB-06-32 and TB-09-24 to depths of approximately 3.0 to 4.0 feet bgs. The other five locations did not require hand-clearing for buried utilities. The eight test borings were advanced to equipment refusal (inferred top of bedrock), which was encountered at depths ranging between approximately 8.3 ft. and 11.5 ft. bgs. DAY personnel documented test boring locations using a Trimble Geo7x global positioning system (GPS) unit with sub-centimeter accuracy. The locations of thee test borings, as well as previous test borings advanced during the Preliminary Phase II ESAs, are shown on Figure 2.

Upon completion of drilling, test borings TB-05-32, TB-09-24, TB-12-24, TB-13-24 and TB-14-24 were converted into temporary groundwater monitoring wells (designated TMW-05-32, TMW-09-24, TMW-12-24, TMW-13-24 and TMW-14-24, respectively. Each temporary well consisted of up to ten feet of one-inch inner diameter 10-slot Schedule 40 polyvinyl chloride (PVC) screen that extended approximately to the ground surface or was attached to one-inch inner diameter Schedule 40 solid PVC riser piping that extended approximately to the ground surface. The annulus between the one-inch PVC screen/riser and borehole wall was filled with sand.

Test borings not completed as temporary monitoring wells were backfilled with soil cuttings and capped with asphalt cold patch. Displaced soil cuttings from temporary monitoring well locations were placed in a labeled New York State Department of Transportation (NYSDOT) approved 55-gallon drum that was staged on-site pending disposal.

A DAY representative and/or a City representative observed the work completed, made visual observations, screened soil with a PID, collected soil samples for possible analytical laboratory testing, documented the lithologic conditions, and prepared the test boring logs that are included in Appendix B.

On October 30, 2019, a pre-purge water sample was collected from the basement sump of the building on the Site (i.e., the 32 York Street parcel). Subsequently, a peristaltic pump and new dedicated disposable tubing were used to purge approximately 10 gallons of water from the basement sump, which was placed in two 5-gallon buckets for temporary storage. Approximately one hour and forty minutes later, a post-purge water sample was collected from the sump.

On November 1, 2019, a DAY representative developed the five new temporary groundwater monitoring wells using a peristaltic pump and new dedicated disposable tubing. The wells were developed until water quality parameters stabilized, or until five well volumes had been removed. Pertinent information was recorded on well development logs which are included in Appendix B. Purge water was placed in a labeled NYSDOT-approved 55-gallon drum that was staged on-site pending disposal.

On November 4, 2019, DAY obtained water level measurements and checked for LNAPL and dense aqueous phase liquid (DNAPL) using an oil/water interface probe in new temporary groundwater monitoring wells TMW-05-32, TMW-09-24, TMW-12-24, TMW-13-24 and TMW-14-24, and also at existing groundwater monitoring wells MW-01, MW-07 and MW-08. On November 4, 2019, the peristaltic pump and new dedicated disposable tubing were used to purge at least three well casing volumes of water from the five new temporary monitoring wells. Subsequent to recharge of the static water level, a water quality sample and laboratory sample was collected from each new temporary monitoring well. Monitoring well sampling logs are included in Appendix B.

On November 6, 2019, Marques and Associates, P.C., a subconsultant retained by DAY, surveyed the elevations of new temporary groundwater monitoring wells TMW-05-32, TMW-09-24, TMW-12-24, TMW-13-24 and TMW-14-24 in relation to the previously measured elevation of existing nearby groundwater monitoring well MW-07, with a double check against the previously measured elevation of existing nearby groundwater monitoring well MW-01. The elevations of MW-01 and MW-07 were previously measured in relation to the City datum using RTS Monument No. 1230500106 (elevation 541.951 feet) and RTS Monument No. 120410104 (elevation 524.565 feet).

2.2 Analytical Laboratory Testing

Select soil, groundwater and sump water samples were submitted to Alpha Analytical (Alpha) for testing. Alpha is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified analytical laboratory (NY Lab ID No. 11148). Table 1 provides details on the samples selected for analytical laboratory testing, which are summarized below.

- The following soil samples were tested for Target Compound List (TCL) and CP-51 list VOCs using United States Environmental Protection Agency (USEPA) Method 8260 and CP-51 SVOCs using USEPA Method 8270:
  - Soil Sample TB-05-32 (8-9.8).
  - Soil Sample TB-06-32 (6-8).
  - Soil Sample TB-09-24 (8-8.3).
  - Soil Sample TB-10-24 (8-9.3).
  - Soil Sample TB-12-24 (6-8).
  - Soil Sample TB-13-24 (8-10).
  - Soil Sample TB-14-24 (4-6).
  - Soil Sample TB-11-24 (6-7).
- The following soil sample was tested for TCL and CP-51 list VOCs using USEPA Method 8260:
  - Soil Sample TB-11-24 (6-7).
- The following soil sample was tested for CP-51 SVOCs using USEPA Method 8270:
  - Soil Sample TB-11-24 (8-9).

- The following sump water sample was tested for TCL and CP-51 list VOCs using USEPA Method 8260 and CP-51 SVOCs using USEPA Method 8270:
  - Post-Purge sample Sump-1(Post).
- The following groundwater samples were tested for TCL and CP-51 list VOCs using USEPA Method 8260 and CP-51 SVOCs using USEPA Method 8270:
  - Groundwater sample TMW-05-32.
  - Groundwater sample TMW-09-24.
  - Groundwater sample TMW-12-24.
  - Groundwater sample TMW-13-24.
  - Groundwater sample TMW-14-24.
  - Sample TB-11-24 (8-9).

In addition, a trip blank sample designated as Sample TB110419 accompanied the November 4, 2019 groundwater samples to Alpha. This trip blank sample was analyzed by Alpha for TCL and CP-51 list VOCs using USEPA Method 8260.

Alpha provided analytical laboratory test results in NYSDEC Analytical Services Protocol (ASP) Category B deliverables and NYSDEC Equis deliverables. Copies of the Alpha reports containing the test results and executed chain-of-custody documentation are included in Appendix C.

2.3 Investigation-Derived Waste Disposal

Liquid and solid investigation-derived waste (IDW) generated as part of this Phase II ESA is stored in two 55-gallon steel open-head drums on the Site. One drum contains soil from the test borings. The other drum contains monitoring well purge water and decontamination water. Based on the investigation test results, the IDW was characterized as non-hazardous waste. In the near future, SUN Environmental Corporation (SUN), a subcontractor retained by DAY, will pick up and transport the two drums of IDW for disposal at an appropriate facility in accordance with applicable regulations. A copy of the waste transport and disposal documentation will be provided once received.

3.0 FINDINGS

This section presents a summary of the findings of the work completed as part of this Phase II ESA.

3.1 Subsurface Conditions

Based on the soil samples collected, apparent soil fill material was observed to extend to depths ranging between 2.0 ft. and 7.0 ft. bgs. The fill material typically consisted of sand, silt and/or gravel that was occasionally intermixed with a trace to some brick, rock, ash, metal, concrete, coal and/or organics.

Indigenous soils beneath the apparent fill material generally consisted of various mixtures of sand, silt, clay and gravel. Fractured rock was occasionally observed in samples immediately above equipment refusal. Refusal on inferred top of bedrock was encountered at depths ranging between approximately 8.3 ft. bgs (TB-09-24) and 11.5 ft. bgs (TB-14-24).

Peak PID readings measured on soil samples from the eight test borings ranged between 0.0 ppm at TB-06-32 on the 32 York Street parcel and 165.3 ppm at TB-11-24 at an approximate depth of 7.0 ft. bgs on the 24 York Street parcel. Petroleum-type odors were observed on soil samples from 24 York Street test borings: TB-09-24 at approximate depths of 4 to 9 ft. bgs; TB-10-24 at approximate depths of 8-9.3 ft. bgs; TB-11-24 at approximate depths of 7-9.5 ft. bgs; TB-12-24 at approximate depths of 8-10 ft. bgs; TB-13-24 at approximate depths of 6-9 ft. bgs; and, TB-14-24 at approximate depths of 4 to 10.5 ft. bgs. An apparent sheen was observed on the soil samples from 24 York Street test borings: TB-10-24 at 8 to 9.3 ft. bgs; and TB-14-24 at 8.5 to 10.5. An apparent asphalt-based sealant-type or roofing tar-type odor was also observed on a soil sample from 24 York Street test boring TB-12-24 at 7 to 8 ft. bgs. Field evidence of petroleum impact was not observed at 32 York Street test borings TB-05-32 and TB-06-32.

Additional information encountered in each of the test borings advanced during this study is provided on the logs included in Appendix B.

As summarized on well development logs and monitoring well sampling logs included in Appendix B, petroleum-type nuisance odors and/or sheen were observed at 24 York Street groundwater monitoring wells TMW-12-24, TMW-13-24 and TMW-14-24. Petroleum-type odors and/or sheen were not observed on purged groundwater from 32 York Street groundwater monitoring wells TMW-05-32 and TMW-09-24. In addition, petroleum-type odors and/or sheen were not observed on the purged water or water samples from the basement sump inside the building on 32 York Street.

The surveyed top of casing elevations, the static water levels measured on November 4, 2019, and the calculated groundwater elevations for the five new temporary groundwater monitoring well and three existing nearby groundwater monitoring wells are summarized on Table 2. The calculated groundwater elevations were used to prepare a potentiometric groundwater contour map for November 4, 2019, which is included as Figure 3. As shown, groundwater on November 4, 2019 in the study area generally flows westward toward York Street.

3.2 Analytical Laboratory Results

3.2.1 Soil Samples

The analytical laboratory report with VOCs and SVOCs results for soil samples is included in Appendix C. Table 3 provides a comparison of the concentrations of detected VOCs in the soil samples to Unrestricted Use SCOs, Restricted Residential Use SCOs and Commercial Use SCOs that are referenced in NYSDEC Part 375. Table 4 provides a comparison of the concentrations of detected SVOCs in the soil samples to Unrestricted Use SCOs, Restricted Residential Use SCOs and Commercial Use SCOs that are referenced in NYSDEC Part 375. "Unrestricted Use" means use without imposed restrictions such as environmental easements, deed restrictions or other land use controls. "Restricted Residential Use" is the land use category which should be used when there is common ownership or a single owner/managing entity of the Site. "Commercial Use" is the land use category which should be used when the primary purpose is buying, selling, or trading of merchandise or services. Table 3 and Table 4 also include a comparison of detected VOC and SVOC concentrations to SCLs that are referenced in NYSDEC CP-51. The results are summarized below.

Volatile Organic Compounds

Various TCL and CP-51 VOCs were detected in each of the eight soil samples tested. Specific VOCs detected in one or more samples included: acetone; benzene; 2-butanone; n-butylbenzene; sec-butylbenzene; tert-butylbenzene; cyclohexane; 1,4-dichlorobenzene; trans-1,2-dichloroethene; ethylbenzene; p-isopropylbenzene; p-isopropyltoluene; methyl acetate; methylcyclohexane; naphthalene; n-propylbenzene; toluene; 1,2,4-trimethylbenzene; 1,3,5-trimethylbenzene; m,p-xylene; and o-xylene. The concentrations of total VOCs detected in the eight soil samples ranged between 0.0057 milligrams per kilogram (mg/kg) or ppm in sample TB-05-32(8-9.8) and 16.313 mg/kg or ppm in sample TB-11-24(6-7). The majority of the VOCs detected appeared to be petroleum related. The concentrations of the VOCs detected were below their respective Unrestricted Use SCOs, Restricted Residential Use SCOs, Commercial Use SCOs, and CP-51 SCLs.

Semi-Volatile Organic Compounds

CP-51 SVOCs were not detected in samples TB-06-32(6-8), TB-09-24(8-8.3) and TB-10-24(8-9.3). Various CP-51 SVOCs were detected in samples TB-05-32(8-9.8), TB-11-24(8-9), TB-12-24(6-8), TB-13-24(8-10) and TB-14-24(4-6). Specific SVOCs detected in one or more samples included: acenaphthene; acenaphthylene; anthracene; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; chrysene; dibenzo(a,h)anthracene; fluoranthene; fluorene; indeno(1,2,3-cd)pyrene; phenanthrene; and pyrene. The concentrations of total SVOCs detected in five of the eight soil samples ranged between 0.273 mg/kg or ppm in sample TB-14-24(4-6) and 475.6 mg/kg or ppm in sample TB-12-24(6-8). The majority of the VOCs detected appeared to be petroleum related. The concentrations of eight SVOCs detected in sample TB-12-24(6-8) exceeded their respective Unrestricted Use SCOs, Restricted Residential Use SCOs and/or Commercial Use SCOs, and CP-51 SCLs.

3.2.2 Sump Sample

The analytical laboratory report for Sample Sump-1(Post) is included in Appendix C. Table 5 provides a summary of the VOC and SVOC results and a comparison of detected constituent concentrations to groundwater standards or guidance values referenced in TOGS 1.1.1. As shown, only the VOC acetone was detected in the sump sample at a concentration of 2 micrograms per liter (ug/l) or parts per billion (ppb), which is below its TOGS 1.1.1 groundwater guidance value of 50 ug/l. CP-51 SVOCs were not detected in in sample Sump-1(Post).

3.2.3 Groundwater Samples

The analytical laboratory report with VOCs and SVOCs results for groundwater samples is included in Appendix C. Table 6 provides a summary of the constituents detected in the groundwater samples and a comparison of detected constituent concentrations to groundwater standards or guidance values referenced in TOGS 1.1.1. The results are summarized below.

Volatile Organic Compounds

Various TCL and CP-51 VOCs were detected in each of the five groundwater samples tested. Specific VOCs detected in one or more samples included: acetone; benzene; bromodichloromethane; chloroform, dibromochloromethane and naphthalene. The concentrations of total VOCs detected in these five groundwater samples ranged between 2.5 ug/l or ppb in samples TMW-09-24 and TMW-13-24, and 463.0 ug/l or ppb in sample TMW-12-24. The concentrations of the VOCs detected in Sample TMW-12-24 were above their respective TOGS 1.1.1 groundwater standards or guidance values. The concentrations of the VOCs detected in the other four groundwater samples were below their respective TOGS 1.1.1 groundwater standards or guidance values.

Semi-Volatile Organic Compounds

CP-51 VOCs were detected in each of the five groundwater samples tested. Specific SVOCs detected in one or more samples included: acenaphthene; acenaphthylene; anthracene; benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(g,h,i)perylene; benzo(k)fluoranthene; chrysene; fluoranthene; fluorene; indeno(1,2,3-cd)pyrene; phenanthrene; and pyrene. The concentrations of total SVOCs detected in three of the five groundwater samples ranged between 0.21 ug/l or ppb in sample TMW-09-24 and 219.97 ug/l or ppb in sample TMW-12-24. The majority of the VOCs detected appeared to be petroleum related. The concentrations of two or more SVOCs detected in groundwater samples TMW-05-32, TMW-09-24, TMW-12-24 and TMW-14-24 exceeded their respective TOGS 1.1.1 groundwater standards or guidance values. The concentrations of SVOCs detected in groundwater sample TMW-13-24 did not exceed their respective TOGS 1.1.1 groundwater standards or guidance values.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The Phase II ESA included field screening and collection and analysis of soil samples from eight test borings, a post-purge water sample from the basement sump, and groundwater samples from five temporary monitoring wells. As part of this Phase II ESA, it was determined that groundwater flow at the Site during the November 4, 2019 sampling event was westward.

Based on visual and olfactory observations and PID screening of the samples, field evidence of potential petroleum-type impact (e.g., PID readings up to 165.3 ppm, petroleum-type odors and sheen) was documented on soil at test boring locations TB-09-24 through TB-14-24 and groundwater at temporary monitoring wells TMW-12-24, TMW-13-24 and TMW-14-24. Field evidence of petroleum-type impact was not documented on the water in the basement sump.

Analytical laboratory testing included nine soil samples, one sump water sample, and five groundwater samples for TCL and CP-51 VOCs and/or TCL SVOCs.

- Each of the eight soil samples tested contained two or more VOCs, but their detected concentrations did not exceed Unrestricted Use SCOs Restricted Residential Use SCOs or Commercial Use SCOs, or CP-51 SCLs. Five of the eight soil samples tested contained five or more SVOCs. Only the concentrations of eight SVOCs detected in sample TB-12-24(6-8) exceeded Unrestricted Use SCOs, Restricted Residential Use SCOs and/or Commercial Use SCOs, and CP-51 SCLs.
- The post purge sump water sample only contained the VOC acetone, but at a concentration below its TOGS 1.1.1 groundwater guidance value. SVOCs were not detected in this sump water sample.
- Each of the five groundwater samples tested contained one or more VOCs, and only the concentrations of VOCs detected in sample TMW-12-24 exceeded their TOGS 1.1.1 groundwater standards or guidance values. Each of the five groundwater samples tested contained two or more SVOCs, and the concentrations of SVOCs detected samples TMW-05-32, TMW-09-24, TMW-12-24 and TMW-14-24 exceeded their TOGS 1.1.1 groundwater standards or guidance values.

Summary of Cumulative Studies

As outlined in a July 2019 Pre-Development Phase II Environmental Site Assessment and Geotechnical Study Report, a Phase II ESA was conducted in 2018 on 15 City-owned parcels and the public right-of-ways of Ruby Place and York Street. Some of the test locations and data generated during this study were on adjoining properties and public right-of-ways that bound the Site. Information and data from this previous off-site study, the previous Preliminary Phase II ESAs conducted on the 24 York St and 32 York Street parcels in 2019, and this current Phase II ESA of the Site were collectively reviewed to assist in evaluating the extent of petroleum impact associated with on-site NYSDEC Spill #1901036. Figures showing test locations, and data tables summarizing VOC and SVOC data for soil and groundwater samples, from these previous studies are included in Appendix D. The cumulative evaluation is depicted on Figure 4 though Figure 7, which are further discussed below.

- Figure 4 depicts the peak PID readings on soil samples that were measured at cumulative on-site and nearby test locations. As shown, the highest PID readings were detected on the 24 York Street portion of the Site, with generally lower PID readings extending onto the southeastern portion of the 32 York Street parcel.

- Figure 5 depicts test locations that included VOC and/or SVOC analysis of one or more soil samples, and whether these test locations exceeded or did not exceed CP-51 SCLs. As shown, five test locations on the 24 York Street portion of the Site had soil samples that exceeded CP-51 SCLs. In addition, off-site test location MW-08 located in the public right-of-way of Ruby Place that adjoins the Site to the south had a soil sample that exceeded CP-51 SCLs.
- Figure 6 depicts test locations that included VOC and/or SVOC analysis of one or more groundwater samples, and whether these test locations exceeded or did not exceed TOGS 1.1.1 groundwater standards or guidance values for petroleum-related compounds. As shown, six test locations on the 24 York Street portion of the Site, and two test locations on the 32 York Street portion of the Site, had groundwater samples that exceeded TOGS 1.1.1 groundwater standards or guidance values for VOCs and/or SVOCs. Off-site test locations MW-01, MW-07 and MW-08 did not exceed TOGS 1.1.1 groundwater standards or guidance values for VOCs and/or SVOCs.
- Figure 7 depicts test locations that exhibited one or more form of petroleum impact based on field observations and/or laboratory testing. The depth interval where the petroleum impact was documented is also listed for each test location that had evidence of petroleum impact. As shown, 12 of 14 test locations on the 24 York Street portion of the Site, one of six test locations on the 32 York Street portion of the Site, and only one off-site test location (i.e., MW-08) contained evidence of petroleum impact. Excluding TB/TMW-04-24 that only had near surface petroleum impact, Figure 7 includes a depiction of the approximate 6,856 square-foot aerial extent of subsurface petroleum impact. The average thickness of subsurface petroleum-impacted soil in this area is 3.5 feet.

Conclusions

The findings of the Phase II ESA, as supplemented by information and data from the previous on-site Preliminary Phase II ESAs and off-site Phase II ESA/Geotechnical study, was successful in defining the extent of on-site petroleum contamination associated with NYSDEC Spill #1901036. The petroleum-impacted soil is primarily located on the 24 York Street parcel and the southeast portion of the 32 York Street parcel that comprise the Site. Petroleum impact has migrated off-site to the south and likely also to some extent to the east and west. Petroleum impact exceeding NYSDEC soil and/or groundwater criteria has been documented on-site and also off-site to the south.

Gravel and fractured rock were encountered above drilling equipment refusal at many of the test locations. This fractured rock layer was typically wet, and field evidence of petroleum impact in this layer tended to be less significant in comparison to overlying finer-grained soils. In many of these test locations, PID readings tend to decline with depth near the top of bedrock. Based on these observations, and given the top of the water table was observed in the overburden on the Site and adjoining properties, it is expected that only the upper one or two feet of fractured/weathered bedrock may be impacted with petroleum.

The Site is located with the City of Rochester Bull's Head Brownfield Opportunity Area (BOA). The City of Rochester has plans to redevelop the portion of the Bull's Head BOA that includes the Site. It is possible that petroleum-impacted soil and groundwater could be encountered during future subsurface work (e.g., utility work, redevelopment activities, etc.). While specific redevelopment plans do not exists as of the date of this report, conceptual plans suggest redevelopment with multi-family residential or mixed use.

Recommendations

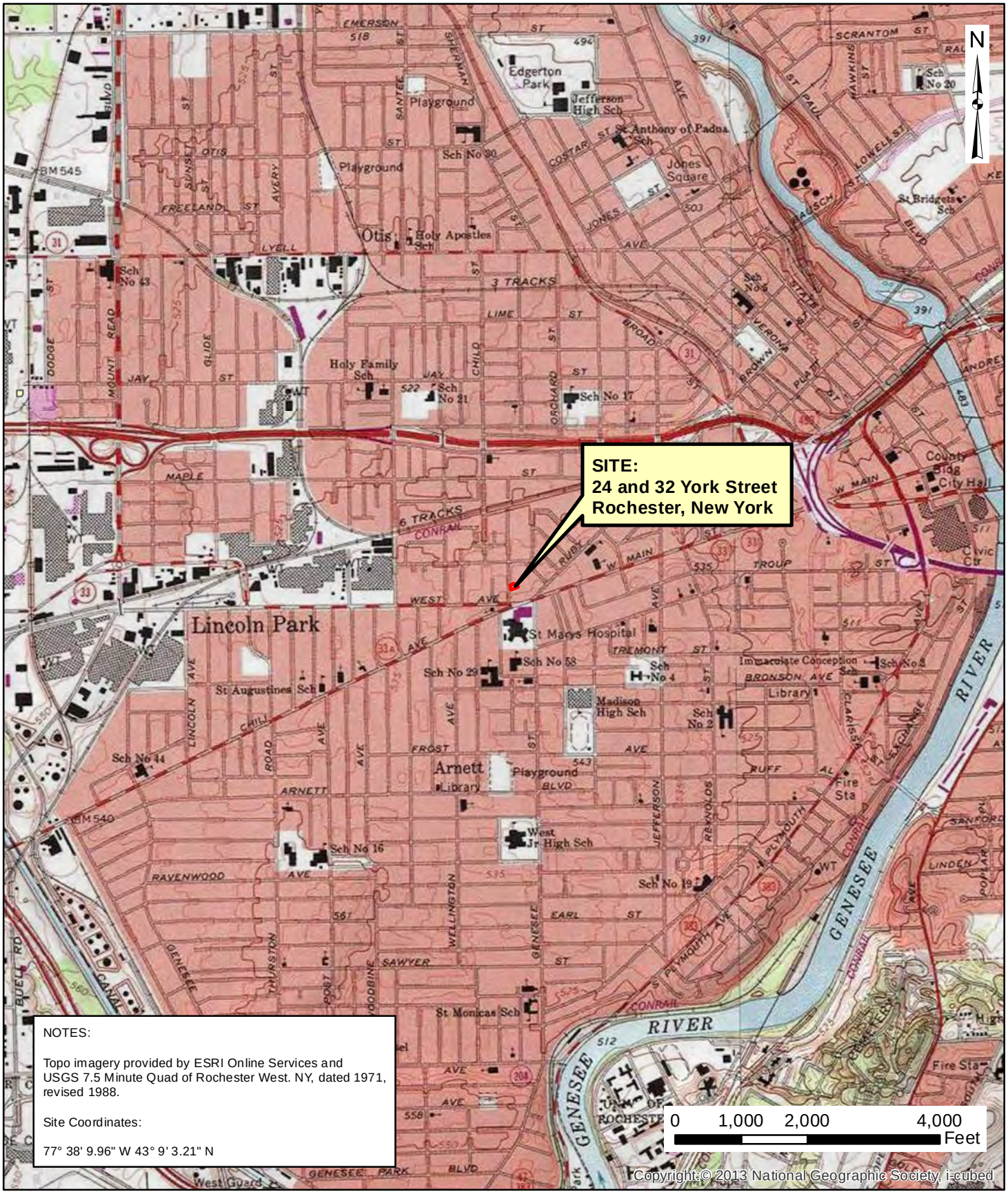
1. It is recommended that the findings of this report be provided to the NYSDEC. With input and approval from the NYSDEC, it is recommended that appropriate plans (e.g., remediation work plan, health and safety plan, quality assurance project plan, citizen participation plan, soil and groundwater management plan, etc.) be prepared and that remediation be completed in relation to the on-site petroleum impacts at the Site that are associated with Spill File #1901036. It is recommended that the cleanup be completed under a Stipulation Agreement with the NYSDEC, with NYSDEC oversight.

2. It is recommended that the potential for soil vapor intrusion into any new structures be evaluated prior to construction, and that soil vapor intrusion be mitigated if deemed necessary.

5.0 ACRONYMS AND ABBREVIATIONS

Alpha	Alpha Analytical
ASP	Analytical Services Protocol
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
BGS	Below Ground Surface
BOA	Brownfield Opportunity Area
City	City of Rochester
CP-51	Commissioner Policy 51
CVOC	Chlorinated Volatile Organic Compound
DAY	Day Environmental, Inc.
DER-10	DER-10 Technical Guidance for Site Investigation and Remediation
DNAPL	Dense Non-Aqueous Phase Liquid
ELAP	Environmental Laboratory Approval Program
Ft.	Feet
GPS	Geographic Positioning System
IDW	Investigation-Derived Waste
LNAPL	Light Non-Aqueous Phase Liquid
LST	Leaking Storage Tank
Marques	Marques and Associates, P.C.
Mg/Kg	Milligrams per Kilogram
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
Phase I ESA	Phase I Environmental Site Assessment
Phase II ESA	Phase II Environmental Site Assessment
PID	Photoionization Detector
PPB	Parts Per Million
PPM	Parts Per Million
PVC	Polyvinyl Chloride
SCL	Soil Cleanup Level
SCO	Soil Cleanup Objective
SRF	Spill Report Form
SUN	SUN Environmental Corporation
SVOC	Semi-Volatile Organic Compound
TCL	Target Compound List
TOGS	Technical and Operational Guidance Series 1.1.1
TREC	TREC Environmental, Inc.
Ug/L	Micrograms per Liter
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compound

FIGURES



NOTES:

Topo imagery provided by ESRI Online Services and USGS 7.5 Minute Quad of Rochester West. NY, dated 1971, revised 1988.

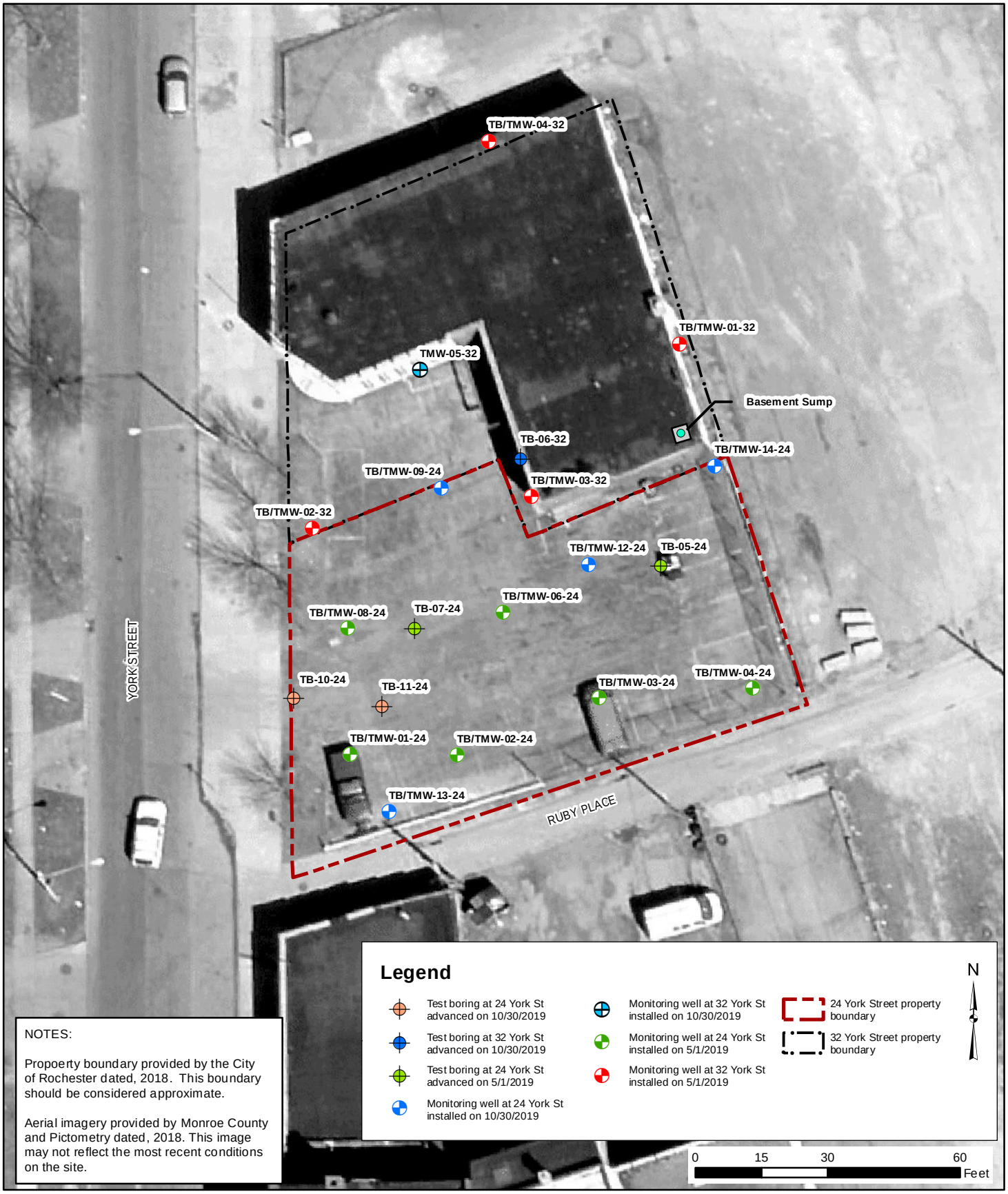
Site Coordinates:

77° 38' 9.96" W 43° 9' 3.21" N

Document Path: E:\GIS Mapping\Rocity\24 and 32 York Street\5658S-19Rocity\PhaseIIESA\5658S-02-Locus.mxd

Last Date Saved: 31 Oct 2019

Date: 10-31-2019	day **DAY ENVIRONMENTAL, INC.** **Environmental Consultants** **Rochester, New York 14606** **New York, New York 10170**	Project Title: 24 AND 32 YORK STREET ROCHESTER, NEW YORK PHASE II ENVIRONMENTAL SITE ASSESSMENT	Project No. 5658S-19
Drawn By: CPS		Drawing Title: Project Locus Map	FIGURE 1
Scale: AS NOTED			



NOTES:

Propoerty boundary provided by the City of Rochester dated, 2018. This boundary should be considered approximate.

Aerial imagery provided by Monroe County and Pictometry dated, 2018. This image may not reflect the most recent conditions on the site.

Document Path: E:\GIS Mapping\Rocity\24 and 32 York Street\5658S-19Rocity\PhaseIIESA\5658S-01-SitePlan.mxd

Last Date Saved: 13 Nov 2019

Date	11-13-2019
Drawn By	CPS
Scale	AS NOTED

day
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

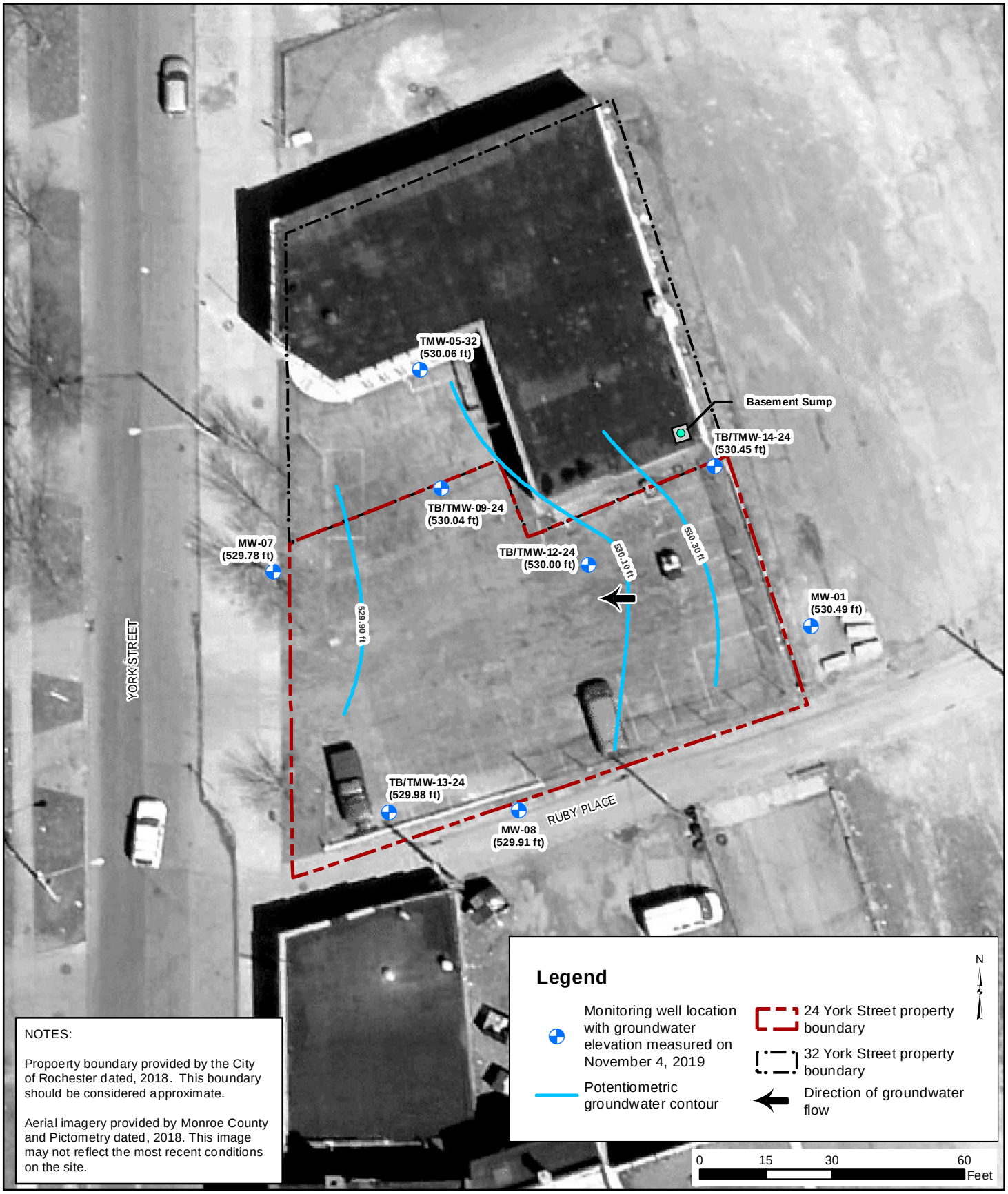
Project Title
24 YORK STREET AND 32 YORK STREET
ROCHERSTER, NEW YORK

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Drawing Title
Site Plan with Test Locations

Project No.
5658S-19

FIGURE 2



NOTES:

Propoerty boundary provided by the City of Rochester dated, 2018. This boundary should be considered approximate.

Aerial imagery provided by Monroe County and Pictometry dated, 2018. This image may not reflect the most recent conditions on the site.

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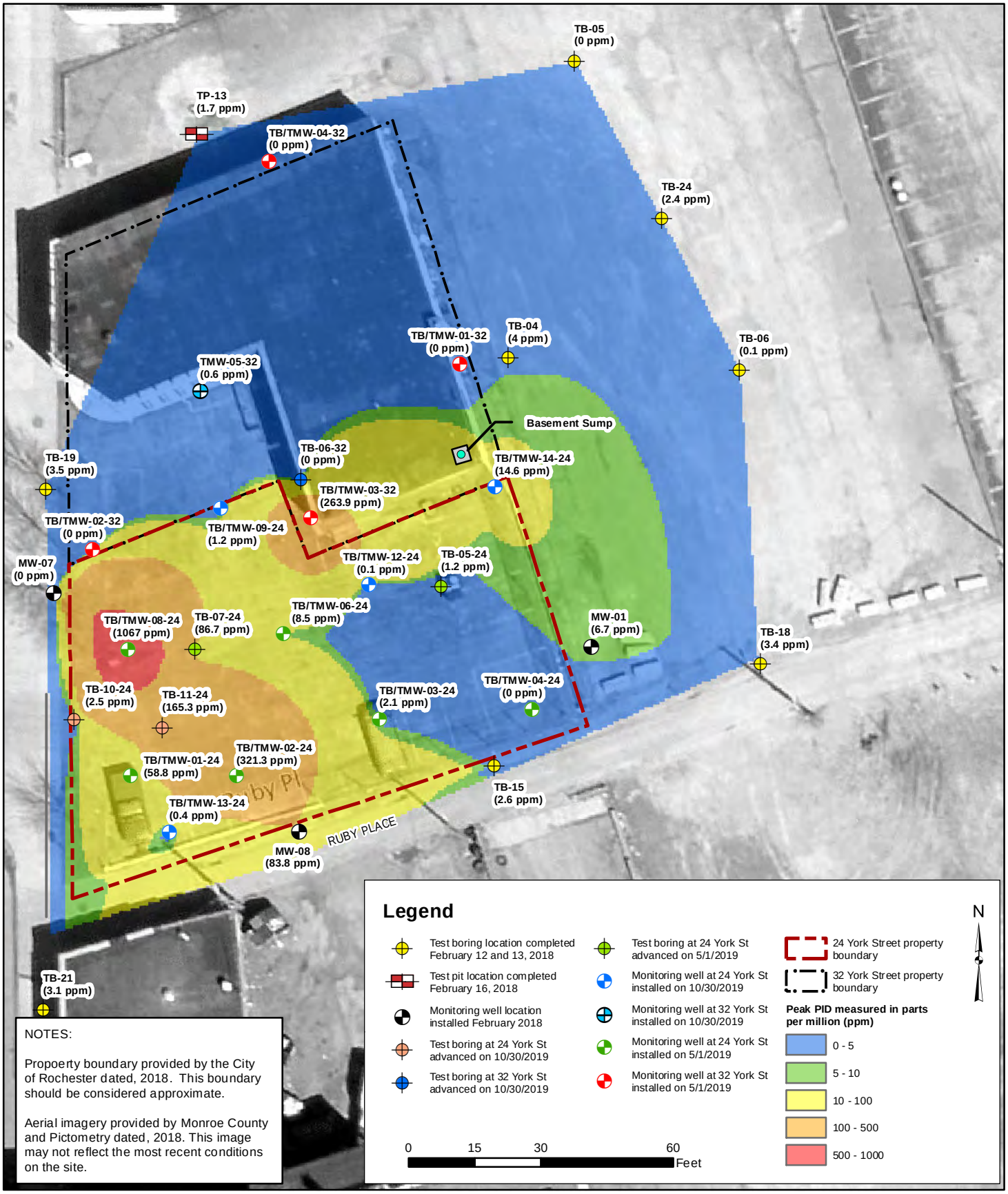
Last Date Saved: 13 Nov 2019

Date: 11-13-2019	day DAY ENVIRONMENTAL, INC. Environmental Consultants Rochester, New York 14606 New York, New York 10170	Project Title 24 YORK STREET AND 32 YORK STREET ROCHERSTER, NEW YORK PHASE II ENVIRONMENTAL SITE ASSESSMENT	Project No. 5658S-19
Drawn By: CPS		Drawing Title Potentiometric Groundwater Contour Map for November 4, 2019	FIGURE 3
Scale: AS NOTED			



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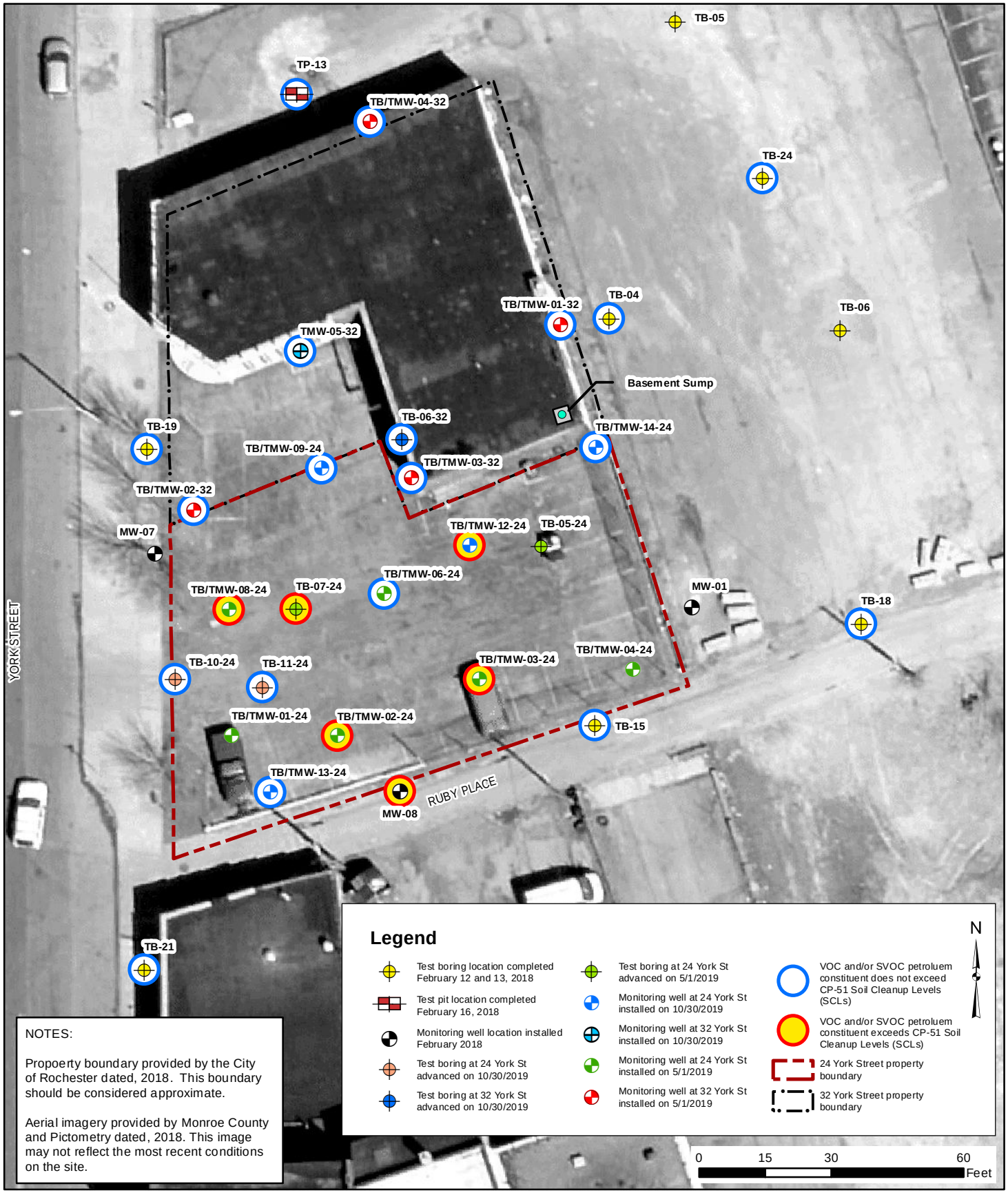
Last Date Saved: 15 Nov 2019

Date: 11-13-2019 Drawn By: CPS Scale: AS NOTED	day **DAY ENVIRONMENTAL, INC.** **Environmental Consultants** **Rochester, New York 14606** **New York, New York 10170**	Project Title: 24 YORK STREET AND 32 YORK STREET ROCHERSTER, NEW YORK PHASE II ENVIRONMENTAL SITE ASSESSMENT Drawing Title: Peak PID Readings at Cumulative Test Locations	Project No. 5658S-19 FIGURE 4



NOTES:

Propoerty boundary provided by the City of Rochester dated, 2018. This boundary should be considered approximate.

Aerial imagery provided by Monroe County and Pictometry dated, 2018. This image may not reflect the most recent conditions on the site.

Document Path: E:\GIS Mapping\Rocity\24 and 32 York Street\5658S-19Rocity\PhaseIIESA\5658S-06-VOCandSVOCExceedances.mxd

Last Date Saved: 13 Nov 2019

Date: 11-13-2019 Drawn By: CPS Scale: AS NOTED	day **DAY ENVIRONMENTAL, INC.** **Environmental Consultants** **Rochester, New York 14606** **New York, New York 10170**	Project Title 24 YORK STREET AND 32 YORK STREET ROCHERSTER, NEW YORK PHASE II ENVIRONMENTAL SITE ASSESSMENT Drawing Title Petroleum Constituent Results in Cumulative Soil Samples	Project No. 5658S-19 FIGURE 5

NOTES:

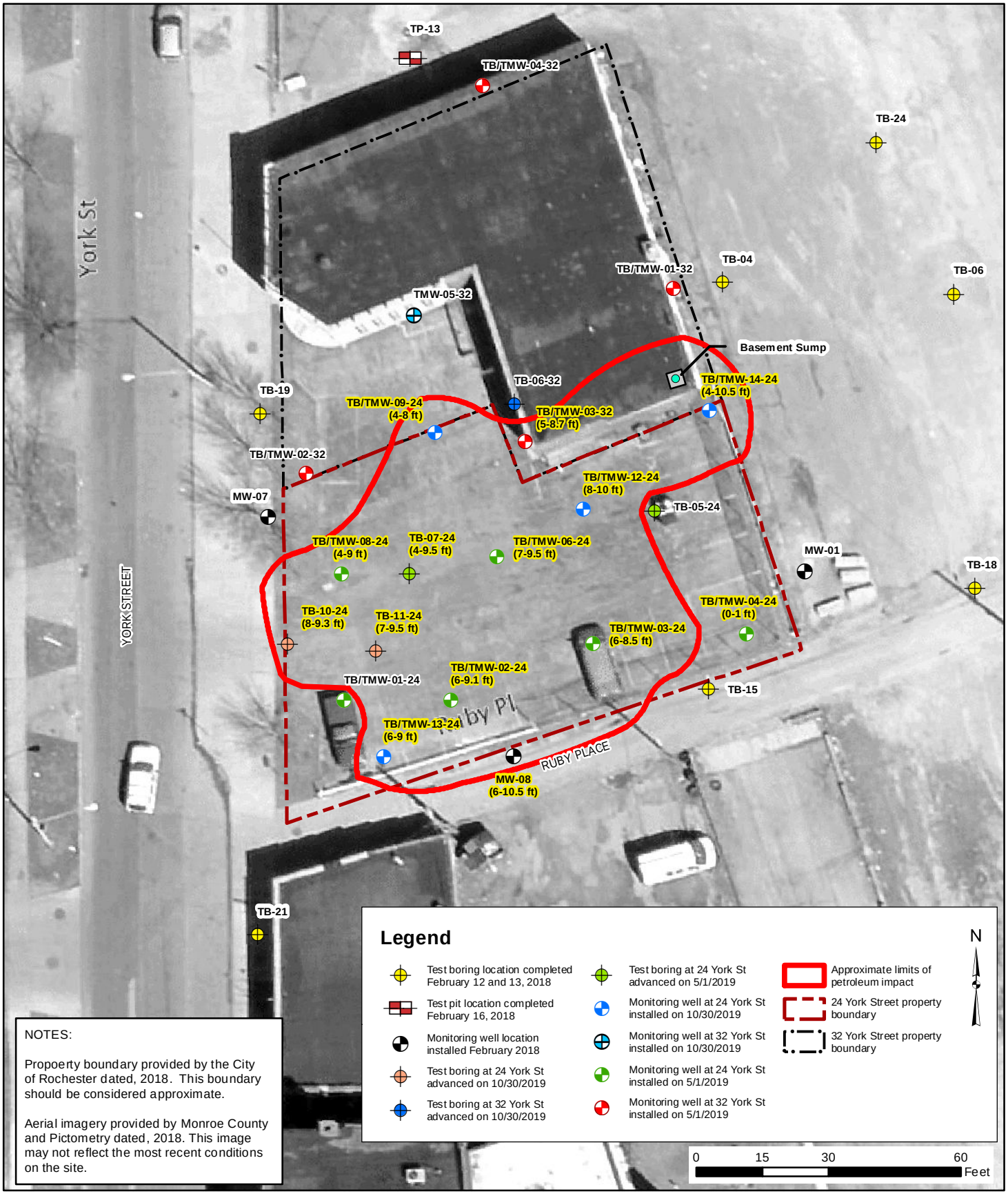
Propoerty boundary provided by the City of Rochester dated, 2018. This boundary should be considered approximate.

Aerial imagery provided by Monroe County and Pictometry dated, 2018. This image may not reflect the most recent conditions on the site.

Document Path: E:\GIS Mapping\Rocity\24 and 32 York Street\5658S-19Rocity\PhaseIIESA\5658S-07-TOGSExceedances.mxd

Last Date Saved: 13 Nov 2019

Date: 11-13-2019	day **DAY ENVIRONMENTAL, INC.** **Environmental Consultants** **Rochester, New York 14606** **New York, New York 10170**	Project Title: 24 YORK STREET AND 32 YORK STREET ROCHERSTER, NEW YORK PHASE II ENVIRONMENTAL SITE ASSESSMENT	Project No.: 5658S-19
Drawn By: CPS		Drawing Title: Petroleum Constituent Results in Cumulative Groundwater Samples	FIGURE 6
Scale: AS NOTED			



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Last Date Saved: 15 Nov 2019

Date: 11-13-2019 Drawn By: CPS Scale: AS NOTED	day **DAY ENVIRONMENTAL, INC.** **Environmental Consultants** **Rochester, New York 14606** **New York, New York 10170**	Project Title 24 YORK STREET AND 32 YORK STREET ROCHERSTER, NEW YORK PHASE II ENVIRONMENTAL SITE ASSESSMENT Drawing Title Evidence of Petroleum Impact at Cumulative Test Locations	Project No. 5658S-19 FIGURE 7

TABLES

Table 1

24 and 32 York Street
Rochester, New York

Sample Log

Sample ID	Collection Date	Depth (Feet)	PID Reading in PPM	Field Observation	Composite or Grab	Matrix	Analytical Test Parameters
Sump-1 (Post)	10/30/2019	NA	NA	No sheen, product or odors	Grab	Water	VOC, SVOC
TB-05-32(8-9.8)	10/30/2019	8-9.8	0.2	No odors, product or staining	Grab	Soil	VOC, SVOC
TB-06-32(6-8)	10/30/2019	6-8	0.0	No odors, product or staining	Grab	Soil	VOC, SVOC
TB-09-24(8-8.3)	10/30/2019	8-8.3	0.5	Petroleum-type odor	Grab	Soil	VOC, SVOC
TB-10-24(8-9.3)	10/30/2019	8-9.3	2.5	Petroleum-type odor and sheen	Grab	Soil	VOC, SVOC
TB-11-24(6-7)	10/30/2019	6-7	165.3	Petroleum-type odor	Grab	Soil	VOC
TB-11-24(8-9)	10/30/2019	8-9	4.6	Petroleum-type odor	Grab	Soil	SVOC
TB-12-24(6-8)	10/30/2019	6-8	0.0	Septic and sealant type odor	Grab	Soil	VOC, SVOC
TB-13-24(8-10)	10/30/2019	8-10	0.4	Petroleum-type odor	Grab	Soil	VOC, SVOC
TB-14-24(4-6)	10/30/2019	4-6	14.6	Petroleum-type odor and black staining	Grab	Soil	VOC, SVOC
TMW-05-32	11/4/2019	NA	NA	Clear. No odor, sheen, or product	Grab	Groundwater	VOC, SVOC
TMW-09-24	11/4/2019	NA	NA	Clear. No odor, sheen, or product	Grab	Groundwater	VOC, SVOC
TMW-12-24	11/4/2019	NA	NA	Petroleum-type odor, Gray	Grab	Groundwater	VOC, SVOC
TMW-13-24	11/4/2019	NA	NA	Petroleum-type odor, Gray	Grab	Groundwater	VOC, SVOC
TMW-14-24	11/4/2019	NA	NA	Petroleum-type odor and sheen	Grab	Groundwater	VOC, SVOC
TB-110419	11/4/2019	NA	NA	NA	Grab	Water	VOC, SVOC

VOC = USEPA TCL and NYSDEC CP-51 Volatile Organic Compounds via USEPA Method 8260
SVOC = NYSDEC CP-51 Semi-Volatile Organic Compounds via USEPA Method 8270
NYSDEC = New York State Department of Environmental Conservation
USEPA = United States Environmental Protection Agency
NA = Not Applicable or Not Available
PID - Photoionization detector
PPM = Parts Per Million
TCL = Target Compound List

Table 2

24 an 32 York Street
Rochester, New York

Groundwater Elevation Data for November 4, 2019

Well ID	Elevation of PVC Well Casing (FT)	Static Water Level (SWL) Measurement (FT)	Groundwater Elevation (FT)
TMW-05-32	536.04	5.98	530.06
TMW-09-24	536.15	6.11	530.04
TMW-12-24	536.40	6.40	530.00
TMW-13-24	536.93	6.95	529.98
TMW-14-24	536.42	5.97	530.45
MW-01	535.93	5.44	530.49
MW-07	536.58	6.80	529.78
MW-08	536.26	6.35	529.91

Note: The oil/water interface probe did not detect light non-aqueous phase liquid (LNAPL) or dense non-aqueous phase liquid (DNAPL) at the well locations during collection of static water level measurements

Table 3

24 and 32 York Street
Rochester, New York

Summary of Detected VOC Results in mg/Kg or Parts per Million (ppm)

Soil/Fill Samples

Detected Constituent	A Unrestricted SCO (1)	B Restricted Residential SCO(1)	C Commercial SCO(1)	D CP-51 SCL (2)	L1951354-02 TB-05-32(8-9.8) 10/30/2019 Soil	L1951354-03 TB-06-32(6-8) 10/30/2019 Soil	L1951354-04 TB-09-24(8-8.3) 10/30/2019 Soil	L1951354-05 TB-10-24(8-9.3) 10/30/2019 Soil	L1951354-06 TB-11-24(6-7) 10/30/2019 Fill	L1951354-08 TB-12-24(6-8) 10/30/2019 Soil	L1951354-09 TB-13-24(8-10) 10/30/2019 Soil	L1951354-10 TB-14-24(4-6) 10/30/2019 Soil
Acetone	0.05	100	500	NA	**0.0054 J**	**0.035**	**0.017**	**0.023**	U	**0.030**	**0.026**	U
Benzene	0.06	4.8	44	0.06	U	U	**0.0046**	**0.00052**	**0.016 J**	U	**0.0023**	U
2-Butanone (MEK)	0.12	100	500	NA	U	**0.0073 J**	U	U	U	**0.006 J**	U	U
n-Butylbenzene	12	100	500	12	U	U	U	U	**0.420**	U	U	U
sec-Butylbenzene	11	100	500	11	U	U	**0.0024**	U	**0.200**	U	U	**0.020 J**
tert-Butylbenzene	5.9	100	500	5.9	U	U	**0.00046 J**	**0.00044 J**	**0.030 J**	U	**0.00048 J**	U
Cyclohexane	NA	NA	NA	NA	U	U	**0.0079 J**	**0.0014 J**	**1.900**	U	**0.0047 J**	U
1,4-Dichlorobenzene	1.8	13	130	NA	**0.00015 J**	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	0.19	100	500	NA	**0.00015 J**	U	U	U	U	U	U	U
Ethylbenzene	1	41	390	1	U	U	U	**0.00020 J**	U	U	**0.00046 J**	**0.032 J**
Isopropylbenzene	NA	NA	NA	2.3	U	U	U	U	**0.093**	U	**0.00013 J**	**0.0076 J**
p-Isopropyltoluene	NA	NA	NA	10	U	U	U	U	**0.045 J**	U	U	**0.016 J**
Methyl Acetate	NA	NA	NA	NA	U	U	U	U	U	U	U	**0.090 J**
Methylcyclohexane	NA	NA	NA	NA	U	U	**0.031**	**0.0027 J**	**13.000**	U	**0.0082**	U
Naphthalene	12	100	500	12	U	U	**0.00074 J**	U	**0.190 J**	U	**0.00086 J**	**0.300**
n-Propylbenzene	3.9	100	500	3.9	U	U	U	U	**0.290**	U	U	**0.033 J**
Toluene	0.7	100	500	0.7	U	U	**0.0080**	**0.0014**	U	U	**0.0038**	U
1,2,4-Trimethylbenzene	3.6	52	190	3.6	U	U	**0.0028**	**0.00055 J**	**0.056 J**	U	**0.0011 J**	**0.110 J**
1,3,5-Trimethylbenzene	8.4	52	190	8.4	U	U	**0.0013 J**	**0.00021 J**	**0.019 J**	U	**0.00063 J**	**0.036 J**
m,p-Xylene	0.26	100	500	0.26	U	U	**0.0066**	**0.0010 J**	**0.054 J**	U	**0.0025**	**0.110 J**
o-Xylene	0.26	100	500	0.26	U	U	**0.0022**	**0.00034 J**	U	U	**0.00084 J**	**0.024 J**
Total VOCs	NA	NA	NA	NA	0.00570	0.0423	0.08500	0.03176	16.313	0.036	0.05200	0.7786

U = Not detected above laboratory method detection limit
J = Estimated Value
VOC = Volatile Organic Compound
NA = Not available
(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006 and CP-51 dated 10/21/2010
(2) = Soil Cleanup Level (SCL) referenced in CP-51 dated 10/21/2010
Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.
A = Concentration Exceeds Unrestricted Use SCO
B = Concentration Exceeds Restricted Residential Use SCO
C = Concentration Exceeds Commercial Use SCO
D = Concentration Exceeds SCL

Table 4

24 and 32 York Street
Rochester, New York

Summary of Detected SVOC Results in mg/Kg or Parts Per Million (ppm)

Soil Samples

Detected Constituent	A Unrestricted SCO (1)	B Restricted Residential SCO(1)	C Commercial SCO(1)	D CP-51 SCL (2)	L1951354-02 TB-05-32(8-9.8) 10/30/2019 Soil		L1951354-03 TB-06-32(6-8) 10/30/2019 Soil		L1951354-04 TB-09-24(8-8.3) 10/30/2019 Soil		L1951354-05 TB-10-24(8-9.3) 10/30/2019 Soil		L1951354-07 TB-11-24(8-9) 10/30/2019 Soil		L1951354-08 TB-12-24(6-8) 10/30/2019 Soil		L1951354-09 TB-13-24(8-10) 10/30/2019 Soil		L1951354-10 TB-14-24(4-6) 10/30/2019 Soil	
Acenaphthene	20	100	500	20	U		U		U		U		U		**15.0**		U		U	
Acenaphthylene	100	100	500	100	U		U		U		U		U		**7.3**		**0.029 J**		U	
Anthracene	100	100	500	100	U		U		U		U		U		**35.0**		**0.064 J**		U	
Benzo(a)anthracene	1	1	5.6	1	**0.051 J**		U		U		U		**0.048 J**		**36.0**	**ABCD**	**0.050 J**		**0.039 J**	
Benzo(a)pyrene	1	1	1	1	**0.051 J**		U		U		U		U		**26.0**	**ABCD**	U		U	
Benzo(b)fluoranthene	1	1	5.6	1	**0.083 J**		U		U		U		**0.068 J**		**30.0**	**ABCD**	**0.040 J**		U	
Benzo(g,h,i)perylene	100	100	500	100	**0.038 J**		U		U		U		**0.036 J**		**10.0**		U		U	
Benzo(k)fluoranthene	0.8	3.9	56	0.8	U		U		U		U		U		**11.0**	**ABD**	U		U	
Chrysene	1	3.9	56	1	**0.064 J**		U		U		U		**0.056 J**		**29.0**	**ABD**	**0.038 J**		**0.051 J**	
Dibenzo(a,h) anthracene	0.33	0.33	0.56	0.33	U		U		U		U		U		**3.3**	**ABCD**	U		U	
Fluoranthene	100	100	500	100	**0.160**		U		U		U		**0.110 J**		**76.0**		**0.110**		**0.065 J**	
Fluorene	30	100	500	30	U		U		U		U		U		**25.0**		**0.034 J**		U	
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	0.5	**0.038 J**		U		U		U		**0.038 J**		**12.0**	**ABCD**	U		U	
Phenanthrene	100	100	500	100	**0.100 J**		U		U		U		**0.058 J**		**100.0**	**ABD**	**0.140**		**0.056 J**	
Pyrene	100	100	500	100	**0.130**		U		U		U		**0.088 J**		**60.0**		**0.085 J**		**0.062 J**	
Total SVOCs	NA	NA	NA	NA	0.715		0		0		0		0.502		475.6		0.590		0.273	

Notes:
U = Not detected above laboratory method detection limit
J = Estimated Value
SVOC = Semi-Volatile Organic Compound
NA = Not available
(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006 and CP-51 dated 10/21/2010
(2) = Soil Cleanup Level (SCL) referenced in CP-51 dated 10/21/2010
Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.
A = Concentration Exceeds Unrestricted Use SCO
B = Concentration Exceeds Restricted Residential Use SCO
C = Concentration Exceeds Commercial Use SCO
D = Concentration Exceeds SCL

Table 5

24 and 32 York Street
Rochester, New York

Summary of Detected VOC and SVOC Results in ug/l or Parts per Billion (ppb

Basement Sump - Post-Purge Water Sample

Detected Constituent	Groundwater Standard or Guidance Value [1]	L1951354-01 Sump-1(Post) 10/30/2019 Sump Water	
VOCs			
Acetone	50	2.0	J
Total VOCs	NA	2.00	
Total SVOCs	NA	U	

U = Not detected above laboratory method detection limit

J = Estimated Value

[1] Groundwater standard or guidance value are as referenced in NYSDEC TOGS 1.1.1 dated June 1998 with April 2000 and June 2004 addendums.

VOC = Volatile Organic Compound

SVOC = Semi-Volatile Organic Compound

NA = Not available

Table 6

24 and 32 York Street
Rochester, New York

Summary of Detected VOC and SVOC Results in ug/l or Parts per Billion (ppb)

Groundwater Samples

Detected Constituent	Groundwater Standard or Guidance Value (1)	L1952193-01 TMW-05-32 11/4/2019 Groundwater		L1952193-02 TMW-09-24 11/4/2019 Groundwater		L1952193-03 TMW-12-24 11/4/2019 Groundwater		L1952193-04 TMW-13-24 11/4/2019 Groundwater		L1952193-05 TMW-14-24 11/4/2019 Groundwater	
VOCs											
Acetone	50	**7.2**		**2.5 J**		U		**2.5 J**		**1.6 J**	
Benzene	1	U		U		**3.0**	X	U		U	
Bromodichloromethane	50	**0.51**		U		U		U		U	
Chloroform	7	**3.0**		U		U		U		U	
Dibromochloromethane	50	**0.26 J**		U		U		U		U	
Naphthalene	10	U		U		**460**	X	U		**1.0 J**	
Total VOCs	NA	10.97		2.5		463.0		2.5		2.6	
SVOCs											
Acenaphthene	20	U		U		**59**	X	**0.21**		**0.10**	
Acenaphthylene	NA	U		U		**11**		U		U	
Anthracene	50	U		U		**15**		U		U	
Benzo(a)anthracene	0.002	**0.06 J**	X	**0.02 J**	X	**2.0**	X	U		**0.06 J**	X
Benzo(a)pyrene	0	**0.06 J**	X	U		**1.2**	X	U		**0.04 J**	X
Benzo(b)fluoranthene	0.002	**0.09 J**	X	**0.03 J**	X	**1.4**	X	U		**0.09 J**	X
Benzo(g,h,i)perylene	NA	**0.06 J**		U		**0.48 J**		U		U	
Benzo(k)fluoranthene	0.002	U		U		**0.47 J**	X	U		U	
Chrysene	0.002	**0.07 J**	X	U		**1.8**	X	U		**0.10**	X
Fluoranthene	50	**0.11**		**0.06 J**		**9.7**		U		**0.13**	
Fluorene	50	U		U		**49**		U		U	
Indeno(1,2,3-cd)pyrene	0.002	**0.05 J**	X	U		**0.62**	X	U		U	
Phenanthrene	50	**0.08 J**		**0.05 J**		**61**	X	**0.02 J**		**0.06 J**	
Pyrene	50	**0.11**		**0.05 J**		**7.3**		U		**0.13**	
Total SVOCs	NA	0.69		0.21		219.97		0.23		0.71	

U = Not detected above laboratory method detection limit

J = Estimated Value

(1) Groundwater standard or guidance value are as referenced in NYSDEC TOGS 1.1.1 dated June 1998 with April 2000 and June 2004 addendums.

X = Concentration exceeds groundwater standard or guidance value

VOC = Volatile Organic Compound

SVOC = Semi-Volatile Organic Compound

NA = Not available

APPENDIX A

Photo Log

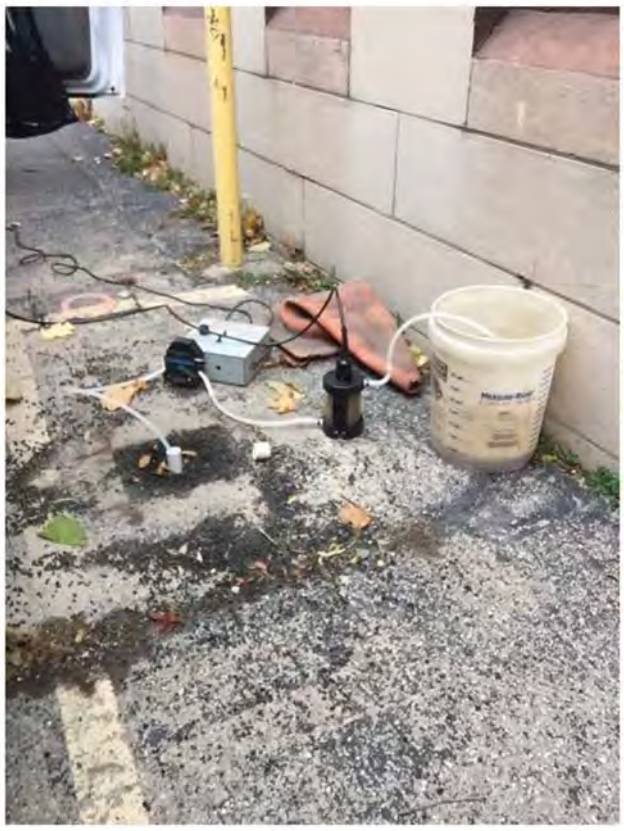
Photo Log
Phase II Environmental Site Assessment
24 and 32 York Street, Rochester, New York

Track-Mounted Geoprobe direct-push drill-rig at test location TB/TMW-14-24 – looking north

Temporary monitoring well TMW-14-24 – looking north

Temporary monitoring well TMW-12-24 in foreground, hand clearing utilities with compressed air knife system at test location TB/TMW-05-32 in background – looking northeast

Set up track-mounted Geoprobe direct-push drill-rig at test location TB/TMW-05-32 that was hand-cleared of buried utilities to depth of approximately 4 feet.



Groundwater monitoring well development at TMW-05-32 – looking northwest

APPENDIX B

Field Logs and Temporary Monitoring Well Construction Diagrams

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5658S-19
Project Address: 24 and 32 York Street
Rochester,. NY
DAY Representative: J. Danzinger
Drilling Contractor: TREC Environmental
Sampling Method: Geoprobe Macro-Core

Test Boring TB-05-32

Ground Elevation: NA Datum: NA
Date Started: 10/30/2019 Date Ended: 10/30/2019
Borehole Depth: 9.8' Borehole Diameter: 2.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 5.98' from TOC (11/4/19)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	NA	NA	NA	NA	NA	NA	2 layers of Asphalt, 6" total	**Air Knifed to 3'**
2								Brown, Sand and Gravel, trace Bricks, little Rock, damp (FILL)	
3									
4	NA	S-1	3-8	90	NA	0.0	0.6	Red trace Orange, Broken Rock, moist (FILL)	
5							0.2	Brown/Black, Sand and Gravel with little Ash, trace Metal, moist (FILL)	
6							0.0	Tan-Brown, Sandy SILT, trace Gravel, moist	
7							0.1	Gray/Brown, SAND, some Silt, trace sub-rounded Gravel, moist	
8	NA	S-2	8-9.8	95	NA	0.1	0.2		
9							0.1	Brown, Sandy SILT, moist to wet	
10								Refusal @ 9.8'	
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-05-32

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ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5658S-19
Project Address: 24 and 32 York Street
Rochester,. NY
DAY Representative: J. Danzinger
Drilling Contractor: TREC Environmental
Sampling Method: Geoprobe Macro-Core

Test Boring TB-06-32

Ground Elevation: NA Datum: NA
Date Started: 10/30/2019 Date Ended: 10/30/2019
Borehole Depth: 9.5' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Wet Soil @ 8.0'

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	NA	NA	NA	NA	NA	NA	3" Asphalt	**Air Knifed to 4'**
2								Dark Brown, Sand, Gravel, Concrete (FILL)	
3								Brown to Gray/Brown, Clayey SILT, some Sand, moist to wet	
4									
5	NA	S-1	4-8	25	NA	0.0	0.0	Brown, Clayey SILT, little Gravel, some Sand, wet	
6							0.0		
7							0.0		
8									
9	NA	S-2	8-9.5	50	NA	0.0	0.0	Gray/Brown, SAND and GRAVEL, some Silt, wet	
10							0.0	Refusal @ 9.5'	
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-06-32

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Project #: 5658S-19
Project Address: 24 and 32 York Street
Rochester,. NY
DAY Representative: J. Danzinger
Drilling Contractor: TREC Environmental
Sampling Method: Geoprobe Macro-Core

Test Boring TB-09-24

Ground Elevation: NA Datum: NA
Date Started: 10/30/2019 Date Ended: 10/30/2019
Borehole Depth: 8.3 Borehole Diameter: 2.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 6.11' from TOC (11/4/19)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								3" Asphalt	Air Knifed to 4'
2	NA	NA	NA	NA	NA	NA	NA	Gray/Brown, Sand and Silt and Gravel, little Bricks (FILL)	
3									
4									
5							0.7	Gray, Clayey SILT, some Sand, little Gravel, wet	Petroleum-type Odor
6	NA	S-1	4-8	10	NA	1.2			
7							0.8		
8	NA	S-2	8-8.3	NA	NA	0.5	NA	...wet, some Gravel/Fractured Rock	Running water inside sample sleeve
9								Refusal @ 8.3'	
10									
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-09-24

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Project #: 5658S-19
Project Address: 24 and 32 York Street
Rochester,. NY
DAY Representative: J. Danzinger
Drilling Contractor: TREC Environmental
Sampling Method: Geoprobe Macro-Core

Test Boring TB-10-24

Ground Elevation: NA Datum: NA
Date Started: 10/30/2019 Date Ended: 10/30/2019
Borehole Depth: 9.3' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Wet Soil @ 8.0'

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	3" Asphalt Gray, Sand and Gravel, some Asphalt, damp (FILL)	
2	NA	S-1	0-4	55	NA	0.9	0.0	Black/Brown, Sand, Coal, little White Ash and Gravel, moist (FILL)	
3							0.4	Brown/Gray, fine Sandy SILT with Sand and Gravel, damp (FILL)	
4							0.2		
5							0.0	Red/Brown, Sandy SILT, little Gravel, moist	
6	NA	S-2	4-8	40	NA	0.0	0.0		
7							0.0	Gray, SAND and GRAVEL, moist	
8							0.0		
9	NA	S-3	8-9.3	90	NA	2.5	0.8	Brown, Silty SAND, some Gravel, wet	**Petroleum-type Odor, little sheen**
10								Refusal @ 9.3'	
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-10-24

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Project #: 5658S-19
Project Address: 24 and 32 York Street
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DAY Representative: J. Danzinger
Drilling Contractor: TREC Environmental
Sampling Method: Geoprobe Macro-Core

Test Boring TB-11-24

Ground Elevation: NA Datum: NA
Date Started: 10/30/2019 Date Ended: 10/30/2019
Borehole Depth: 9.5' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Wet Soil @ 8.0'

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	3" Asphalt	
								Tan/Gray, Sand and Gravel, damp (FILL)	
2	NA	S-1	0-4	25	NA	0.1	0.0	Black/Brown, Silty Sand, some Gravel, trace White Ash, Coal, Red Brick, moist (FILL)	
3							0.0		
4									
							4.4	Brown, Silty Clay, some Sand, moist (FILL)	
5									
							12.4	Reddish rounded Gravel and Gray broken Concrete with Red-Brown Sand, damp (FILL)	
6	NA	S-2	4-8	25	NA	12.8	165.3		
7									**Petroleum-type Odor from 7.0' to 9.5'**
							22.1	Brown, SILT with some Sand and Clay, moist	
8								Gray/Brown, fractured Rock	
							1.7	Gray/Brown, Silty CLAY, some Gravel and Sand, wet	
9	NA	S-3	8-9.5	60	NA	4.6			
							3.4	Broken Rock	
10								Refusal @ 9.5'	
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-11-24

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Project #: 5658S-19
Project Address: 24 and 32 York Street
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DAY Representative: J. Danzinger
Drilling Contractor: TREC Environmental
Sampling Method: Geoprobe Macro-Core

Test Boring TB-12-24

Ground Elevation: NA Datum: NA
Date Started: 10/30/2019 Date Ended: 10/30/2019
Borehole Depth: 10.0' Borehole Diameter: 2.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 6.40' from TOC (11/4/19)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	3" Asphalt	
							0.0	Black and Gray, Sand, Gravel, some Coal, little Ash (FILL)	
2	NA	S-1	0-4	75	NA	0.0			
							0.0	Brown, Silt, some Clay and Sand, moist (FILL)	
3							0.0		
4									
5							0.0	Gray/Light Brown, Clayey Silt and Sand, moist (FILL)	
							0.0	Dark Gray, Clayey SILT, wet	**Decayed / Septic-type Odor**
6	NA	S-2	4-8	50	NA	0.0			
7							0.0		**Roofing Tar/ Asphalt Sealant-type Odor**
8									
9	NA	S-3	8-10	50	NA	0.1	0.0	Dark Gray, Clayey SILT, Sand and Gravel, wet	**Petroleum-type Odor**
							0.0		
10								Refusal @ 10.0'	
11									
12									
13									
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-12-24

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Project #: 5658S-19
Project Address: 24 and 32 York Street
Rochester,. NY
DAY Representative: J. Danzinger
Drilling Contractor: TREC Environmental
Sampling Method: Geoprobe Macro-Core

Test Boring TB-13-24

Ground Elevation: NA
Datum: NA
Date Started: 10/30/2019
Date Ended: 10/30/2019
Borehole Depth: 10.3'
Borehole Diameter: 2.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 6.95' from TOC (11/4/19)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	50	NA	0.0	0.0	3" Asphalt Gray/Brown, Sand and Gravel, little Silt, damp (FILL)	
2							0.0	Black/Brown, Sand and Coal to Clayey Silt with some Sand, pocket of White Ash ~1", damp to moist (FILL)	
3							0.0		
4	NA	S-2	4-8	40	NA	0.3	0.0	Brown to Gray, Clayey SILT some Sand, trace Gravel, moist to wet (6')	**Petroleum-type Odor**
5							0.0		
6							0.0		
7							0.0		
8	NA	S-3	8-10.3	20	NA	0.4	0.0		
9							0.0	Gray/Brown, broken Rock, wet	
10							0.0		
11								Refusal @ 10.3'	
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-13-24

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Project #: 5658S-19
Project Address: 24 and 32 York Street
Rochester,. NY
DAY Representative: J. Danzinger
Drilling Contractor: TREC Environmental
Sampling Method: Geoprobe Macro-Core

Test Boring TB-14-24

Ground Elevation: NA Datum: NA
Date Started: 10/30/2019 Date Ended: 10/30/2019
Borehole Depth: 11.5' Borehole Diameter: 2.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 5.97' from TOC (11/4/19)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	3" Asphalt	
2	NA	S-1	0-4	50	NA	0.0	0.0	Black/Brown to Gray, Sand, pea Gravel, little Coal, damp (FILL)	
3							0.0		
4								Brown, Sandy Silt, some Ash, Coal, trace Rock, Gravel and Organics, moist (FILL)	
5							6.5	Brown with Black Staining, Clayey SILT, some fine Sand, little to trace Gravel	**Petroleum-type Odors and Staining**
6	NA	S-2	4-8	60	NA	14.6	6.2	...wet	
7							0.0		
8							0.0		
9								...wet	
10	NA	S-3	8-11.5	40	NA	3.6	1.5	Brown and Gray, Silty SAND and GRAVEL, wet	**Sheen in Water, Petroleum-type Odor**
11							0.2		
12							0.1	Gray, GRAVEL and Rock fragments, wet	
13								Refusal @ 11.5'	
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-14-24

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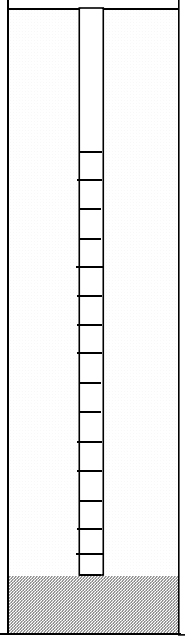
TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

Project #:	5658S-19		**MONITORING WELL TMW-05-32**
Project Address:	24 & 32 York Street		
	Rochester, NY	Ground Elevation: NA	Datum: NA
DAY Representative:	J. Danzinger	Date Started: 10/30/2019	Date Ended: 10/30/2019
Drilling Contractor:	TREC Env.	Water Level (Date): 5.98' from TOC (11/4/19)	

Refer to Test Boring Log TB 05-32 for Soil Description



← Ground Surface

0.8 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Sand

1 Inside Diameter of Well (in)

Type of Pipe Schedule 40 PVC

Screen slot size 10-Slot

9.4 Depth to Bottom of Well Screen (ft)

9.8 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL TMW-05-32

S:\Fieldforms\Monitoring Well Installation Log (revised October 2006)

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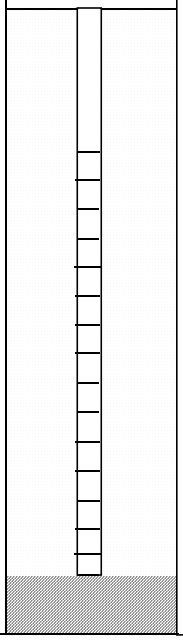
TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

Project #:	5658S-19		**MONITORING WELL TMW-09-24**
Project Address:	24 & 32 York Street		
	Rochester, NY	Ground Elevation: NA	Datum: NA
DAY Representative:	J. Danzinger	Date Started: 10/30/2019	Date Ended: 10/30/2019
Drilling Contractor:	TREC Env.		
		Water Level (Date): 6.11' from TOC (11/4/19)	

Refer to Test Boring Log TB 09-24 for Soil Description



← Ground Surface

0.1 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Sand

1 Inside Diameter of Well (in)

Type of Pipe Schedule 40 PVC

Screen slot size 10-Slot

8.3 Depth to Bottom of Well Screen (ft)

8.3 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL TMW-09-24

S:\Fieldforms\Monitoring Well Installation Log (revised October 2006)

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

www.dayenvironmental.com

420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
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day

DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

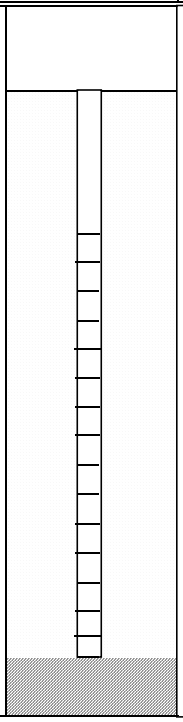
Project #: 5658S-19
Project Address: 24 & 32 York Street
Rochester, NY
DAY Representative: J. Danzinger
Drilling Contractor: TREC Env.

MONITORING WELL TMW-12-24

Ground Elevation: NA Datum: NA
Date Started: 10/30/2019 Date Ended: 10/30/2019

Water Level (Date): 6.40' from TOC (11/4/19)

Refer to Test Boring Log TB 12-24 for Soil Description



← Ground Surface

0.0 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Sand

1 Inside Diameter of Well (in)

Type of Pipe Schedule 40 PVC

Screen slot size 10-Slot

9.9 Depth to Bottom of Well Screen (ft)

10.0 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL TMW-12-24

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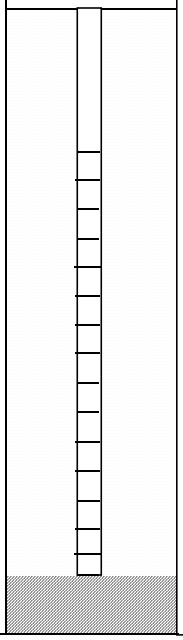
TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

Project #:	5658S-19		**MONITORING WELL TMW-13-24**
Project Address:	24 & 32 York Street		
	Rochester, NY	Ground Elevation: NA	Datum: NA
DAY Representative:	J. Danzinger	Date Started: 10/30/2019	Date Ended: 10/30/2019
Drilling Contractor:	TREC Env.		
		Water Level (Date): 6.95' from TOC (11/4/19)	

Refer to Test Boring Log TB 13-24 for Soil Description



← Ground Surface

0.1 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Sand

1 Inside Diameter of Well (in)

Type of Pipe Schedule 40 PVC

Screen slot size 10-Slot

10.1 Depth to Bottom of Well Screen (ft)

10.3 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL TMW-13-24

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TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

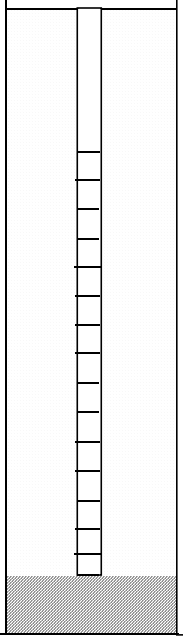
Project #: 5658S-19
Project Address: 24 & 32 York Street
Rochester, NY
DAY Representative: J. Danzinger
Drilling Contractor: TREC Env.

MONITORING WELL TMW-14-24

Ground Elevation: NA Datum: NA
Date Started: 10/30/2019 Date Ended: 10/30/2019

Water Level (Date): 5.97' from TOC (11/4/19)

Refer to Test Boring Log TB 14-24 for Soil Description



← Ground Surface

0.5 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Sand

1 Inside Diameter of Well (in)

Type of Pipe Schedule 40 PVC

Screen slot size 10-Slot

10.5 Depth to Bottom of Well Screen (ft)

11.5 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL TMW-14-24

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WELL DEVELOPMENT DATA
TMW-9-24

SITE LOCATION: 24 and 32 York Street, Rochester, New York JOB#: 5658S-19

DATE/ TIME	11/1/19 11:30	11/1/19 11:35	11/1/19 11:42	11/1/19 11:50	11/1/19 11:56	11/1/19 12:03			
EVACUATION METHOD	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump			
PID/FID (PPM)	NC	NC	NC	NC	NC	NC			
DEPTH OF WELL (FT)	7.96	NC	NC	NC	NC	NC			
STATIC WATER LEVEL (SWL) FT	5.93	NC	NC	NC	NC	NC			
VOLUME EVACUATED (GAL)	0.25	0.25	0.25	0.25	0.25	0.25			
TOTAL VOLUME EVACUATED (GAL)	0.25	0.5	0.75	1.0	1.25	1.5			
TEMPERATURE (^{O}C)	15.01	15.58	16.19	16.22	16.30	16.28			
pH	7.58	7.67	7.74	7.68	7.60	7.59			
ORP (mV)	-17.9	-25.9	-31.9	-40.8	-49.8	-51.3			
CONDUCTIVITY (µs/cm)	0.516	0.528	0.538	0.546	0.550	0.552			
TURBIDITY (NTU)	NC	NC	NC	NC	NC	NC			
VISUAL OBSERVATION	Turbid	NC	NC	NC	NC	NC			

LEGEND: NC = Not Collected

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
TMW-12-24

SITE LOCATION: 24 and 32 York Street, Rochester, New York JOB#: 5658S-19

DATE/ TIME	11/1/19 10:58	11/1/19 11:05	11/1/19 11:09	11/1/19 11:14	11/1/19 11:20				
EVACUATION METHOD	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump				
PID/FID (PPM)	NC	NC	NC	NC	NC				
DEPTH OF WELL (FT)	9.85	NC	NC	NC	NC				
STATIC WATER LEVEL (SWL) FT	6.26	NC	NC	NC	NC				
VOLUME EVACUATED (GAL)	0.25	0.25	0.25	0.25	0.25				
TOTAL VOLUME EVACUATED (GAL)	0.25	0.5	0.75	1.0	1.25				
TEMPERATURE (^{O}C)	15.50	16.21	16.56	16.72	16.71				
pH	8.28	8.16	8.09	7.85	7.83				
ORP (mV)	-77.6	-104.5	-113.8	-140.7	-141.0				
CONDUCTIVITY (µs/cm)	0.540	0.507	0.533	0.659	0.670				
TURBIDITY (NTU)	NC	NC	NC	NC	NC				
VISUAL OBSERVATION	Clear w/Sheen	NC	NC	NC	NC				

LEGEND: NC = Not Collected

Day Environmental, Inc.
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Rochester, New York 14606

WELL DEVELOPMENT DATA
TMW-13-24

SITE LOCATION: 24 and 32 York Street, Rochester, New York JOB#: 5658S-19

DATE/ TIME	11/1/19 9:35	11/1/19 9:40	11/1/19 9/48	11/1/19 9:55					
EVACUATION METHOD	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump					
PID/FID (PPM)	NC	NC	NC	NC					
DEPTH OF WELL (FT)	10.09	NC	NC	NC					
STATIC WATER LEVEL (SWL) FT	6.82	NC	NC	NC					
VOLUME EVACUATED (GAL)	0.25	0.25	0.25	0.25					
TOTAL VOLUME EVACUATED (GAL)	0.25	0.5	0.75	1.0					
TEMPERATURE (^{O}C)	14.88	15.51	15.50	15.55					
pH	7.37	7.50	7.53	7.53					
ORP (mV)	-72.0	-77.0	-78.7	-78.3					
CONDUCTIVITY (ms/cm)	1.100	1.103	1.106	1.106					
TURBIDITY (NTU)	NC	NC	NC	NC					
VISUAL OBSERVATION	Turbid	NC	NC	Clear					

LEGEND: NC = Not Collected

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
TMW-14-24

SITE LOCATION: 24 and 32 York Street, Rochester, New York JOB#: 5658S-19

DATE/ TIME	11/1/19 10:15	11/1/19 10:19	11/1/19 10:24	11/1/19 10:30					
EVACUATION METHOD	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump					
PID/FID (PPM)	NC	NC	NC	NC					
DEPTH OF WELL (FT)	10.12	NC	NC	NC					
STATIC WATER LEVEL (SWL) FT	5.85	NC	NC	NC					
VOLUME EVACUATED (GAL)	0.25	0.25	0.25	0.25					
TOTAL VOLUME EVACUATED (GAL)	0.25	0.5	0.75	1.0					
TEMPERATURE (^{O}C)	14.41	15.39	15.58	15.59					
pH	7.22	7.48	7.52	7.52					
ORP (mV)	-25.8	-58.8	-78.2	-78.1					
CONDUCTIVITY (µs/cm)	0.699	0.658	0.628	0.629					
TURBIDITY (NTU)	NC	NC	NC	NC					
VISUAL OBSERVATION	Clear, Sheen of Oil	Clear	Clear	Clear					

LEGEND: NC = Not Collected

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WELL DEVELOPMENT DATA
TMW-5-32

SITE LOCATION: 24 and 32 York Street, Rochester, New York JOB#: 5658S-19

DATE/ TIME	11/1/19 12:10	11/1/19 12:15	11/1/19 12:22	11/1/19 12:27	11/1/19 12:35				
EVACUATION METHOD	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump				
PID/FID (PPM)	NC	NC	NC	NC	NC				
DEPTH OF WELL (FT)	8.70	NC	NC	NC	NC				
STATIC WATER LEVEL (SWL) FT	5.55	NC	NC	NC	NC				
VOLUME EVACUATED (GAL)	0.25	0.25	0.25	0.25	0.25				
TOTAL VOLUME EVACUATED (GAL)	0.25	0.50	0.75	1.0	1.25				
TEMPERATURE (^{O}C)	13.44	13.37	14.48	13.45	13.47				
pH	8.95	8.93	8.93	8.73	8.75				
ORP (mV)	-76.7	-71.6	-62.8	-48.8	46.8				
CONDUCTIVITY (µs/cm)	0.339	0.340	0.347	0.346	0.351				
TURBIDITY (NTU)	NC	NC	NC	NC	NC				
VISUAL OBSERVATION	Turbid to Clear	Clear	Clear	Clear	NC				

LEGEND: NC = Not Collected

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL TMW-09-24

SECTION 1 - SITE INFORMATION

SITE LOCATION: 24 & 32 York Street **JOB #:** 5658S-19

Rochester, New York **DATE :** 11-4-19

SAMPLE COLLECTOR(S): C. Demian, A. Zobel

WEATHER CONDITIONS: ~49°F, overcast, light breeze **PID IN WELL (PPM)**: N/M **LNAPL** ND **DNAPL** ND

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 7.98 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 6.11 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 1.87 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.076 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
¾" (0.0625)	0.023	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 0.23 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 0.27

PURGE METHOD: Peristaltic Pump **PURGE START:** 10:15 **END:** 10:20

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
TMW-09-24	11-4-19 / 10:45	Peristaltic Pump	VOCs, SVOCs

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
6.11	15.60	7.50	0.689	N/M	2.51	5.8	Clear

N/M = Not Measured
ND = Not Detected

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL TMW-12-24

SECTION 1 - SITE INFORMATION

SITE LOCATION: 24 & 32 York Street **JOB #:** 5658S-19

Rochester, New York **DATE :** 11-4-19

SAMPLE COLLECTOR(S): C. Demian, A. Zobel

WEATHER CONDITIONS: ~49°F, overcast, light breeze **PID IN WELL (PPM)**: N/M **LNAPL** ND **DNAPL** ND

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 9.01 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 6.40 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 2.61 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.107 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
¾" (0.0625)	0.023	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 0.32 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 0.40

PURGE METHOD: Peristaltic Pump **PURGE START:** 10:45 **END:** 10:50

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
TMW-12-24	11-4-19 / 10:50	Peristaltic Pump	VOCs, SVOCs

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
6.40	15.90	7.61	0.975	N/M	3.65	-91.6	Gray/Black, H_2O w/petroleum-type odor

N/M = Not Measured
ND = Not Detected

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL TMW-13-24

SECTION 1 - SITE INFORMATION

SITE LOCATION: 24 & 32 York Street **JOB #:** 5658S-19

Rochester, New York **DATE :** 11-4-19

SAMPLE COLLECTOR(S): C. Demian, A. Zobel

WEATHER CONDITIONS: ~49°F, overcast, light breeze **PID IN WELL (PPM)**: N/M **LNAPL** ND **DNAPL** ND

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 10.10 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 6.95 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 3.15 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.129 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
¾" (0.0625)	0.023	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 0.387 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 1.2

PURGE METHOD: Peristaltic Pump **PURGE START:** 11:50 **END:** 12:00

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
TMW-13-24	11-4-19 / 12:05	Peristaltic Pump	VOCs, SVOCs

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
6.95	14.15	7.69	1.083	N/M	2.55	-5.5	Gray Water w/petroleum-type odor

N/M = Not Measured
ND = Not Detected

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL TMW-14-24

SECTION 1 - SITE INFORMATION

SITE LOCATION: 24 & 32 York Street **JOB #:** 5658S-19

Rochester, New York **DATE :** 11-4-19

SAMPLE COLLECTOR(S): C. Demian, A. Zobel

WEATHER CONDITIONS: ~49°F, overcast, light breeze **PID IN WELL (PPM)**: N/M **LNAPL** ND **DNAPL** ND

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 10.15 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 5.97 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 4.18 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.171 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
¾" (0.0625)	0.023	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 0.51 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 1.0

PURGE METHOD: Peristaltic Pump **PURGE START:** 11:10 **END:** 11:20

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
TMW-14-24	11-4-19 / 11:20	Peristaltic Pump	VOCs, SVOCs

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
5.96	14.56	7.76	0.620	N/M	2.61	-66.7	Petroleum-type odor with sheen

N/M = Not Measured
ND = Not Detected

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL TMW-05-32

SECTION 1 - SITE INFORMATION

SITE LOCATION: 24 & 32 York Street **JOB #:** 5658S-19

Rochester, New York **DATE :** 11-4-19

SAMPLE COLLECTOR(S): C. Demian, A. Zobel

WEATHER CONDITIONS: ~49°F, overcast, light breeze **PID IN WELL (PPM)**: N/M **LNAPL** ND **DNAPL** ND

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 8.70 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 5.98 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 2.72 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.111 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
¾" (0.0625)	0.023	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 0.335 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 0.4

PURGE METHOD: Peristaltic Pump **PURGE START:** 9:35 **END:** 9:40

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
TMW-05-32	11-4-19 / 9:56	Peristaltic Pump	VOCs, SVOCs

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
5.95	15.61	7.51	0.690	N/M	2.45	4.0	Clear

N/M = Not Measured
ND = Not Detected

APPENDIX C

Analytical Laboratory Reports

ANALYTICAL REPORT

Lab Number:	L1951354
Client:	Day Environmental, Inc. 1563 Lyell Avenue Rochester, NY 14606
ATTN:	Jeff Danzinger
Phone:	(585) 454-0210
Project Name:	24+32 YORK STREET
Project Number:	56585-19
Report Date:	11/06/19

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1951354-01	SUMP-1 (POST)	WATER	ROCHESTER, NY	10/30/19 12:40	10/30/19
L1951354-02	TB-05-32 (8-9.8)	SOIL	ROCHESTER, NY	10/30/19 11:45	10/30/19
L1951354-03	TB-06-32 (6-8)	SOIL	ROCHESTER, NY	10/30/19 12:06	10/30/19
L1951354-04	TB-09-24 (8-8.3)	SOIL	ROCHESTER, NY	10/30/19 12:27	10/30/19
L1951354-05	TB-10-24 (8-9.3)	SOIL	ROCHESTER, NY	10/30/19 10:39	10/30/19
L1951354-06	TB-11-24 (6-7)	SOIL	ROCHESTER, NY	10/30/19 11:22	10/30/19
L1951354-07	TB-11-24 (8-9)	SOIL	ROCHESTER, NY	10/30/19 11:26	10/30/19
L1951354-08	TB-12-24 (6-8)	SOIL	ROCHESTER, NY	10/30/19 09:39	10/30/19
L1951354-09	TB-13-24 (8-10)	SOIL	ROCHESTER, NY	10/30/19 10:19	10/30/19
L1951354-10	TB-14-24 (4-6)	SOIL	ROCHESTER, NY	10/30/19 09:03	10/30/19

Project Name:	24+32 YORK STREET	**Lab Number:**	L1951354
Project Number:	56585-19	**Report Date:**	11/06/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	24+32 YORK STREET	**Lab Number:**	L1951354
Project Number:	56585-19	**Report Date:**	11/06/19

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1951354-04: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (172%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L1951354-10: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics

L1951354-08: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 11/06/19

ORGANICS

VOLATILES

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-01
Client ID: SUMP-1 (POST)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 12:40
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/05/19 11:03
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 24+32 YORK STREET **Lab Number:** L1951354

Project Number: 56585-19 **Report Date:** 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-01 Date Collected: 10/30/19 12:40

Client ID: SUMP-1 (POST) Date Received: 10/30/19

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	102		70-130

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-02
Client ID: TB-05-32 (8-9.8)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/04/19 23:21
Analyst: NLK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.84	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.84	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.84	0.10	1
Dibromochloromethane	ND		ug/kg	0.84	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.84	0.22	1
Tetrachloroethene	ND		ug/kg	0.42	0.16	1
Chlorobenzene	ND		ug/kg	0.42	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.59	1
1,2-Dichloroethane	ND		ug/kg	0.84	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.42	0.14	1
Bromodichloromethane	ND		ug/kg	0.42	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.84	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	0.13	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	0.14	1
Benzene	ND		ug/kg	0.42	0.14	1
Toluene	ND		ug/kg	0.84	0.46	1
Ethylbenzene	ND		ug/kg	0.84	0.12	1
Chloromethane	ND		ug/kg	3.4	0.79	1
Bromomethane	ND		ug/kg	1.7	0.49	1
Vinyl chloride	ND		ug/kg	0.84	0.28	1
Chloroethane	ND		ug/kg	1.7	0.38	1
1,1-Dichloroethene	ND		ug/kg	0.84	0.20	1
trans-1,2-Dichloroethene	0.15	J	ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.42	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1

Project Name: 24+32 YORK STREET **Lab Number:** L1951354

Project Number: 56585-19 **Report Date:** 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-02 Date Collected: 10/30/19 11:45

Client ID: TB-05-32 (8-9.8) Date Received: 10/30/19

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,4-Dichlorobenzene	0.15	J	ug/kg	1.7	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.47	1
o-Xylene	ND		ug/kg	0.84	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.84	0.15	1
Styrene	ND		ug/kg	0.84	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.4	0.77	1
Acetone	5.4	J	ug/kg	8.4	4.0	1
Carbon disulfide	ND		ug/kg	8.4	3.8	1
2-Butanone	ND		ug/kg	8.4	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.4	1.1	1
2-Hexanone	ND		ug/kg	8.4	1.0	1
1,2-Dibromoethane	ND		ug/kg	0.84	0.24	1
n-Butylbenzene	ND		ug/kg	0.84	0.14	1
sec-Butylbenzene	ND		ug/kg	0.84	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	0.84	1
Isopropylbenzene	ND		ug/kg	0.84	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.84	0.09	1
Naphthalene	ND		ug/kg	3.4	0.55	1
n-Propylbenzene	ND		ug/kg	0.84	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.28	1
Methyl Acetate	ND		ug/kg	3.4	0.80	1
Cyclohexane	ND		ug/kg	8.4	0.46	1
Freon-113	ND		ug/kg	3.4	0.58	1
Methyl cyclohexane	ND		ug/kg	3.4	0.51	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	112		70-130

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-03
Client ID: TB-06-32 (6-8)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 12:06
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/04/19 23:48
Analyst: NLK
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.99	0.54	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	3.9	0.92	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.49	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: 24+32 YORK STREET **Lab Number:** L1951354

Project Number: 56585-19 **Report Date:** 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-03 Date Collected: 10/30/19 12:06

Client ID: TB-06-32 (6-8) Date Received: 10/30/19

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.90	1
Acetone	35		ug/kg	9.9	4.7	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	7.3	J	ug/kg	9.9	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
2-Hexanone	ND		ug/kg	9.9	1.2	1
1,2-Dibromoethane	ND		ug/kg	0.99	0.28	1
n-Butylbenzene	ND		ug/kg	0.99	0.16	1
sec-Butylbenzene	ND		ug/kg	0.99	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.98	1
Isopropylbenzene	ND		ug/kg	0.99	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.11	1
Naphthalene	ND		ug/kg	3.9	0.64	1
n-Propylbenzene	ND		ug/kg	0.99	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
Methyl Acetate	ND		ug/kg	3.9	0.94	1
Cyclohexane	ND		ug/kg	9.9	0.54	1
Freon-113	ND		ug/kg	3.9	0.68	1
Methyl cyclohexane	ND		ug/kg	3.9	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	112		70-130

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-04
Client ID: TB-09-24 (8-8.3)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 12:27
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/19 00:16
Analyst: NLK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.12	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	4.6		ug/kg	0.46	0.15	1
Toluene	8.0		ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1

Project Name: 24+32 YORK STREET **Lab Number:** L1951354

Project Number: 56585-19 **Report Date:** 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-04 Date Collected: 10/30/19 12:27

Client ID: TB-09-24 (8-8.3) Date Received: 10/30/19

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	6.6		ug/kg	1.8	0.52	1
o-Xylene	2.2		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	17		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	2.4		ug/kg	0.92	0.13	1
tert-Butylbenzene	0.46	J	ug/kg	1.8	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	0.74	J	ug/kg	3.7	0.60	1
n-Propylbenzene	ND		ug/kg	0.92	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	1.3	J	ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	2.8		ug/kg	1.8	0.31	1
Methyl Acetate	ND		ug/kg	3.7	0.88	1
Cyclohexane	7.9	J	ug/kg	9.2	0.50	1
Freon-113	ND		ug/kg	3.7	0.64	1
Methyl cyclohexane	31		ug/kg	3.7	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	125		70-130
4-Bromofluorobenzene	**172**	Q	70-130
Dibromofluoromethane	102		70-130

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-05
Client ID: TB-10-24 (8-9.3)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 10:39
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/19 15:24
Analyst: MKS
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	3.8	1.7	1
1,1-Dichloroethane	ND		ug/kg	0.76	0.11	1
Chloroform	ND		ug/kg	1.1	0.11	1
Carbon tetrachloride	ND		ug/kg	0.76	0.18	1
1,2-Dichloropropane	ND		ug/kg	0.76	0.10	1
Dibromochloromethane	ND		ug/kg	0.76	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.76	0.20	1
Tetrachloroethene	ND		ug/kg	0.38	0.15	1
Chlorobenzene	ND		ug/kg	0.38	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.0	0.53	1
1,2-Dichloroethane	ND		ug/kg	0.76	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	0.38	0.13	1
Bromodichloromethane	ND		ug/kg	0.38	0.08	1
trans-1,3-Dichloropropene	ND		ug/kg	0.76	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	0.38	0.12	1
Bromoform	ND		ug/kg	3.0	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.38	0.13	1
Benzene	0.52		ug/kg	0.38	0.13	1
Toluene	1.4		ug/kg	0.76	0.41	1
Ethylbenzene	0.20	J	ug/kg	0.76	0.11	1
Chloromethane	ND		ug/kg	3.0	0.71	1
Bromomethane	ND		ug/kg	1.5	0.44	1
Vinyl chloride	ND		ug/kg	0.76	0.26	1
Chloroethane	ND		ug/kg	1.5	0.34	1
1,1-Dichloroethene	ND		ug/kg	0.76	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	0.10	1
Trichloroethene	ND		ug/kg	0.38	0.10	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	0.11	1

Project Name: 24+32 YORK STREET **Lab Number:** L1951354

Project Number: 56585-19 **Report Date:** 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-05 Date Collected: 10/30/19 10:39

Client ID: TB-10-24 (8-9.3) Date Received: 10/30/19

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.5	0.11	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	0.13	1
Methyl tert butyl ether	ND		ug/kg	1.5	0.15	1
p/m-Xylene	1.0	J	ug/kg	1.5	0.43	1
o-Xylene	0.34	J	ug/kg	0.76	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	0.76	0.13	1
Styrene	ND		ug/kg	0.76	0.15	1
Dichlorodifluoromethane	ND		ug/kg	7.6	0.70	1
Acetone	23		ug/kg	7.6	3.7	1
Carbon disulfide	ND		ug/kg	7.6	3.5	1
2-Butanone	ND		ug/kg	7.6	1.7	1
4-Methyl-2-pentanone	ND		ug/kg	7.6	0.98	1
2-Hexanone	ND		ug/kg	7.6	0.90	1
1,2-Dibromoethane	ND		ug/kg	0.76	0.21	1
n-Butylbenzene	ND		ug/kg	0.76	0.13	1
sec-Butylbenzene	ND		ug/kg	0.76	0.11	1
tert-Butylbenzene	0.44	J	ug/kg	1.5	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	0.76	1
Isopropylbenzene	ND		ug/kg	0.76	0.08	1
p-Isopropyltoluene	ND		ug/kg	0.76	0.08	1
Naphthalene	ND		ug/kg	3.0	0.50	1
n-Propylbenzene	ND		ug/kg	0.76	0.13	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	0.21	1
1,3,5-Trimethylbenzene	0.21	J	ug/kg	1.5	0.15	1
1,2,4-Trimethylbenzene	0.55	J	ug/kg	1.5	0.25	1
Methyl Acetate	ND		ug/kg	3.0	0.72	1
Cyclohexane	1.4	J	ug/kg	7.6	0.41	1
Freon-113	ND		ug/kg	3.0	0.53	1
Methyl cyclohexane	2.7	J	ug/kg	3.0	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-06
Client ID: TB-11-24 (6-7)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 11:22
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/06/19 02:25
Analyst: NLK
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	420	190	1
1,1-Dichloroethane	ND		ug/kg	83	12.	1
Chloroform	ND		ug/kg	120	12.	1
Carbon tetrachloride	ND		ug/kg	83	19.	1
1,2-Dichloropropane	ND		ug/kg	83	10.	1
Dibromochloromethane	ND		ug/kg	83	12.	1
1,1,2-Trichloroethane	ND		ug/kg	83	22.	1
Tetrachloroethene	ND		ug/kg	42	16.	1
Chlorobenzene	ND		ug/kg	42	10.	1
Trichlorofluoromethane	ND		ug/kg	330	58.	1
1,2-Dichloroethane	ND		ug/kg	83	21.	1
1,1,1-Trichloroethane	ND		ug/kg	42	14.	1
Bromodichloromethane	ND		ug/kg	42	9.0	1
trans-1,3-Dichloropropene	ND		ug/kg	83	23.	1
cis-1,3-Dichloropropene	ND		ug/kg	42	13.	1
Bromoform	ND		ug/kg	330	20.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	42	14.	1
Benzene	16	J	ug/kg	42	14.	1
Toluene	ND		ug/kg	83	45.	1
Ethylbenzene	ND		ug/kg	83	12.	1
Chloromethane	ND		ug/kg	330	77.	1
Bromomethane	ND		ug/kg	170	48.	1
Vinyl chloride	ND		ug/kg	83	28.	1
Chloroethane	ND		ug/kg	170	38.	1
1,1-Dichloroethene	ND		ug/kg	83	20.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	11.	1
Trichloroethene	ND		ug/kg	42	11.	1
1,2-Dichlorobenzene	ND		ug/kg	170	12.	1

Project Name: 24+32 YORK STREET **Lab Number:** L1951354

Project Number: 56585-19 **Report Date:** 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-06 Date Collected: 10/30/19 11:22

Client ID: TB-11-24 (6-7) Date Received: 10/30/19

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	170	12.	1
1,4-Dichlorobenzene	ND		ug/kg	170	14.	1
Methyl tert butyl ether	ND		ug/kg	170	17.	1
p/m-Xylene	54	J	ug/kg	170	46.	1
o-Xylene	ND		ug/kg	83	24.	1
cis-1,2-Dichloroethene	ND		ug/kg	83	14.	1
Styrene	ND		ug/kg	83	16.	1
Dichlorodifluoromethane	ND		ug/kg	830	76.	1
Acetone	ND		ug/kg	830	400	1
Carbon disulfide	ND		ug/kg	830	380	1
2-Butanone	ND		ug/kg	830	180	1
4-Methyl-2-pentanone	ND		ug/kg	830	110	1
2-Hexanone	ND		ug/kg	830	98.	1
1,2-Dibromoethane	ND		ug/kg	83	23.	1
n-Butylbenzene	420		ug/kg	83	14.	1
sec-Butylbenzene	200		ug/kg	83	12.	1
tert-Butylbenzene	30	J	ug/kg	170	9.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	83.	1
Isopropylbenzene	93		ug/kg	83	9.0	1
p-Isopropyltoluene	45	J	ug/kg	83	9.0	1
Naphthalene	190	J	ug/kg	330	54.	1
n-Propylbenzene	290		ug/kg	83	14.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	23.	1
1,3,5-Trimethylbenzene	19	J	ug/kg	170	16.	1
1,2,4-Trimethylbenzene	56	J	ug/kg	170	28.	1
Methyl Acetate	ND		ug/kg	330	79.	1
Cyclohexane	1900		ug/kg	830	45.	1
Freon-113	ND		ug/kg	330	58.	1
Methyl cyclohexane	13000		ug/kg	330	50.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	129		70-130
Dibromofluoromethane	93		70-130

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-08
Client ID: TB-12-24 (6-8)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 09:39
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/19 01:11
Analyst: NLK
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.89	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.21	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.6	0.75	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1
Trichloroethene	ND		ug/kg	0.64	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1

Project Name: 24+32 YORK STREET **Lab Number:** L1951354

Project Number: 56585-19 **Report Date:** 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-08 Date Collected: 10/30/19 09:39

Client ID: TB-12-24 (6-8) Date Received: 10/30/19

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.72	1
o-Xylene	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	30		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	6.0	J	ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
2-Hexanone	ND		ug/kg	13	1.5	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.84	1
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
Methyl Acetate	ND		ug/kg	5.1	1.2	1
Cyclohexane	ND		ug/kg	13	0.70	1
Freon-113	ND		ug/kg	5.1	0.89	1
Methyl cyclohexane	ND		ug/kg	5.1	0.77	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	105		70-130

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-09
Client ID: TB-13-24 (8-10)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 10:19
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/19 01:39
Analyst: NLK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	ND		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.16	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.85	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	2.3		ug/kg	0.61	0.20	1
Toluene	3.8		ug/kg	1.2	0.67	1
Ethylbenzene	0.46	J	ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.71	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1
Trichloroethene	ND		ug/kg	0.61	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.18	1

Project Name: 24+32 YORK STREET **Lab Number:** L1951354

Project Number: 56585-19 **Report Date:** 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-09 Date Collected: 10/30/19 10:19

Client ID: TB-13-24 (8-10) Date Received: 10/30/19

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.25	1
p/m-Xylene	2.5		ug/kg	2.4	0.69	1
o-Xylene	0.84	J	ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	26		ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
2-Hexanone	ND		ug/kg	12	1.4	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	0.48	J	ug/kg	2.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Isopropylbenzene	0.13	J	ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	0.86	J	ug/kg	4.9	0.80	1
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	0.63	J	ug/kg	2.4	0.24	1
1,2,4-Trimethylbenzene	1.1	J	ug/kg	2.4	0.41	1
Methyl Acetate	ND		ug/kg	4.9	1.2	1
Cyclohexane	4.7	J	ug/kg	12	0.67	1
Freon-113	ND		ug/kg	4.9	0.85	1
Methyl cyclohexane	8.2		ug/kg	4.9	0.74	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-10
Client ID: TB-14-24 (4-6)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 09:03
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/06/19 03:15
Analyst: NLK
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	330	150	1
1,1-Dichloroethane	ND		ug/kg	65	9.5	1
Chloroform	ND		ug/kg	98	9.2	1
Carbon tetrachloride	ND		ug/kg	65	15.	1
1,2-Dichloropropane	ND		ug/kg	65	8.2	1
Dibromochloromethane	ND		ug/kg	65	9.2	1
1,1,2-Trichloroethane	ND		ug/kg	65	17.	1
Tetrachloroethene	ND		ug/kg	33	13.	1
Chlorobenzene	ND		ug/kg	33	8.3	1
Trichlorofluoromethane	ND		ug/kg	260	45.	1
1,2-Dichloroethane	ND		ug/kg	65	17.	1
1,1,1-Trichloroethane	ND		ug/kg	33	11.	1
Bromodichloromethane	ND		ug/kg	33	7.1	1
trans-1,3-Dichloropropene	ND		ug/kg	65	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	33	10.	1
Bromoform	ND		ug/kg	260	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	33	11.	1
Benzene	ND		ug/kg	33	11.	1
Toluene	ND		ug/kg	65	36.	1
Ethylbenzene	32	J	ug/kg	65	9.2	1
Chloromethane	ND		ug/kg	260	61.	1
Bromomethane	ND		ug/kg	130	38.	1
Vinyl chloride	ND		ug/kg	65	22.	1
Chloroethane	ND		ug/kg	130	30.	1
1,1-Dichloroethene	ND		ug/kg	65	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	98	9.0	1
Trichloroethene	ND		ug/kg	33	9.0	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.4	1

Project Name: 24+32 YORK STREET **Lab Number:** L1951354

Project Number: 56585-19 **Report Date:** 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-10 Date Collected: 10/30/19 09:03

Client ID: TB-14-24 (4-6) Date Received: 10/30/19

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	130	9.7	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	110	J	ug/kg	130	37.	1
o-Xylene	24	J	ug/kg	65	19.	1
cis-1,2-Dichloroethene	ND		ug/kg	65	11.	1
Styrene	ND		ug/kg	65	13.	1
Dichlorodifluoromethane	ND		ug/kg	650	60.	1
Acetone	ND		ug/kg	650	310	1
Carbon disulfide	ND		ug/kg	650	300	1
2-Butanone	ND		ug/kg	650	140	1
4-Methyl-2-pentanone	ND		ug/kg	650	84.	1
2-Hexanone	ND		ug/kg	650	77.	1
1,2-Dibromoethane	ND		ug/kg	65	18.	1
n-Butylbenzene	ND		ug/kg	65	11.	1
sec-Butylbenzene	20	J	ug/kg	65	9.5	1
tert-Butylbenzene	ND		ug/kg	130	7.7	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	65.	1
Isopropylbenzene	7.6	J	ug/kg	65	7.1	1
p-Isopropyltoluene	16	J	ug/kg	65	7.1	1
Naphthalene	300		ug/kg	260	42.	1
n-Propylbenzene	33	J	ug/kg	65	11.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	18.	1
1,3,5-Trimethylbenzene	36	J	ug/kg	130	13.	1
1,2,4-Trimethylbenzene	110	J	ug/kg	130	22.	1
Methyl Acetate	90	J	ug/kg	260	62.	1
Cyclohexane	ND		ug/kg	650	36.	1
Freon-113	ND		ug/kg	260	45.	1
Methyl cyclohexane	ND		ug/kg	260	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	97		70-130

Project Name: 24+32 YORK STREET **Lab Number:** L1951354

Project Number: 56585-19 **Report Date:** 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/04/19 17:22
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04,08-09 Batch: WG1304594-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 24+32 YORK STREET **Lab Number:** L1951354

Project Number: 56585-19 **Report Date:** 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/04/19 17:22
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04,08-09 Batch: WG1304594-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/04/19 17:22
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04,08-09 Batch: WG1304594-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

Project Name: 24+32 YORK STREET **Lab Number:** L1951354

Project Number: 56585-19 **Report Date:** 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/19 09:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG1304741-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.58	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	0.16	J	ug/kg	2.0	0.14
1,3-Dichlorobenzene	0.18	J	ug/kg	2.0	0.15

Project Name: 24+32 YORK STREET **Lab Number:** L1951354

Project Number: 56585-19 **Report Date:** 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/19 09:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG1304741-5					
1,4-Dichlorobenzene	0.24	J	ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	0.26	J	ug/kg	1.0	0.17
sec-Butylbenzene	0.15	J	ug/kg	1.0	0.15
tert-Butylbenzene	0.14	J	ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	0.16	J	ug/kg	1.0	0.11
Naphthalene	0.80	J	ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	0.55	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/19 09:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG1304741-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: 24+32 YORK STREET **Lab Number:** L1951354

Project Number: 56585-19 **Report Date:** 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/19 08:44
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1304781-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/19 08:44
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1304781-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/19 08:44
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1304781-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	101		70-130

Project Name: 24+32 YORK STREET **Lab Number:** L1951354

Project Number: 56585-19 **Report Date:** 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/19 19:43
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06,10 Batch: WG1305252-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: 24+32 YORK STREET **Lab Number:** L1951354

Project Number: 56585-19 **Report Date:** 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/19 19:43
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06,10 Batch: WG1305252-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	14	J	ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
1,2-Dibromoethane	ND		ug/kg	50	14.
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/19 19:43
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06,10 Batch: WG1305252-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04,08-09 Batch: WG1304594-3 WG1304594-4								
Methylene chloride	87		84		70-130	4		30
1,1-Dichloroethane	84		83		70-130	1		30
Chloroform	90		89		70-130	1		30
Carbon tetrachloride	85		84		70-130	1		30
1,2-Dichloropropane	90		87		70-130	3		30
Dibromochloromethane	92		91		70-130	1		30
1,1,2-Trichloroethane	97		96		70-130	1		30
Tetrachloroethene	74		75		70-130	1		30
Chlorobenzene	87		89		70-130	2		30
Trichlorofluoromethane	84		80		70-139	5		30
1,2-Dichloroethane	98		94		70-130	4		30
1,1,1-Trichloroethane	80		78		70-130	3		30
Bromodichloromethane	89		86		70-130	3		30
trans-1,3-Dichloropropene	101		100		70-130	1		30
cis-1,3-Dichloropropene	97		94		70-130	3		30
Bromoform	99		96		70-130	3		30
1,1,2,2-Tetrachloroethane	96		93		70-130	3		30
Benzene	88		86		70-130	2		30
Toluene	82		83		70-130	1		30
Ethylbenzene	85		87		70-130	2		30
Chloromethane	77		78		52-130	1		30
Bromomethane	83		84		57-147	1		30
Vinyl chloride	85		83		67-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04,08-09 Batch: WG1304594-3 WG1304594-4								
Chloroethane	85		82		50-151	4		30
1,1-Dichloroethene	96		96		65-135	0		30
trans-1,2-Dichloroethene	83		80		70-130	4		30
Trichloroethene	88		86		70-130	2		30
1,2-Dichlorobenzene	88		88		70-130	0		30
1,3-Dichlorobenzene	85		86		70-130	1		30
1,4-Dichlorobenzene	83		82		70-130	1		30
Methyl tert butyl ether	102		97		66-130	5		30
p/m-Xylene	84		85		70-130	1		30
o-Xylene	85		87		70-130	2		30
cis-1,2-Dichloroethene	85		83		70-130	2		30
Styrene	91		91		70-130	0		30
Dichlorodifluoromethane	77		75		30-146	3		30
Acetone	97		87		54-140	11		30
Carbon disulfide	94		92		59-130	2		30
2-Butanone	120		106		70-130	12		30
4-Methyl-2-pentanone	114		105		70-130	8		30
2-Hexanone	107		100		70-130	7		30
1,2-Dibromoethane	99		97		70-130	2		30
n-Butylbenzene	85		86		70-130	1		30
sec-Butylbenzene	83		84		70-130	1		30
tert-Butylbenzene	83		84		70-130	1		30
1,2-Dibromo-3-chloropropane	106		102		68-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04,08-09 Batch: WG1304594-3 WG1304594-4								
Isopropylbenzene	84		86		70-130	2		30
p-Isopropyltoluene	85		86		70-130	1		30
Naphthalene	105		102		70-130	3		30
n-Propylbenzene	83		84		70-130	1		30
1,2,4-Trichlorobenzene	88		87		70-130	1		30
1,3,5-Trimethylbenzene	84		85		70-130	1		30
1,2,4-Trimethylbenzene	86		87		70-130	1		30
Methyl Acetate	107		99		51-146	8		30
Cyclohexane	85		84		59-142	1		30
Freon-113	92		91		50-139	1		30
Methyl cyclohexane	87		85		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		99		70-130
Toluene-d8	96		99		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	103		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1304741-3 WG1304741-4								
Methylene chloride	105		88		70-130	18		30
1,1-Dichloroethane	107		90		70-130	17		30
Chloroform	113		95		70-130	17		30
Carbon tetrachloride	108		89		70-130	19		30
1,2-Dichloropropane	111		94		70-130	17		30
Dibromochloromethane	111		93		70-130	18		30
1,1,2-Trichloroethane	114		98		70-130	15		30
Tetrachloroethene	97		80		70-130	19		30
Chlorobenzene	111		93		70-130	18		30
Trichlorofluoromethane	108		88		70-139	20		30
1,2-Dichloroethane	115		98		70-130	16		30
1,1,1-Trichloroethane	101		84		70-130	18		30
Bromodichloromethane	108		91		70-130	17		30
trans-1,3-Dichloropropene	122		103		70-130	17		30
cis-1,3-Dichloropropene	117		99		70-130	17		30
Bromoform	113		98		70-130	14		30
1,1,2,2-Tetrachloroethane	108		94		70-130	14		30
Benzene	111		93		70-130	18		30
Toluene	106		88		70-130	19		30
Ethylbenzene	111		93		70-130	18		30
Chloromethane	96		80		52-130	18		30
Bromomethane	114		97		57-147	16		30
Vinyl chloride	109		87		67-130	22		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 24+32 YORK STREET

Project Number: 56585-19

Lab Number: L1951354

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1304741-3 WG1304741-4								
Chloroethane	121		101		50-151	18		30
1,1-Dichloroethene	91		74		65-135	21		30
trans-1,2-Dichloroethene	105		87		70-130	19		30
Trichloroethene	112		92		70-130	20		30
1,2-Dichlorobenzene	108		92		70-130	16		30
1,3-Dichlorobenzene	106		91		70-130	15		30
1,4-Dichlorobenzene	104		89		70-130	16		30
Methyl tert butyl ether	120		103		66-130	15		30
p/m-Xylene	107		90		70-130	17		30
o-Xylene	109		92		70-130	17		30
cis-1,2-Dichloroethene	106		89		70-130	17		30
Styrene	115		97		70-130	17		30
Dichlorodifluoromethane	96		78		30-146	21		30
Acetone	104		91		54-140	13		30
Carbon disulfide	85		69		59-130	21		30
2-Butanone	123		106		70-130	15		30
4-Methyl-2-pentanone	124		109		70-130	13		30
2-Hexanone	114		101		70-130	12		30
1,2-Dibromoethane	116		98		70-130	17		30
n-Butylbenzene	109		91		70-130	18		30
sec-Butylbenzene	107		90		70-130	17		30
tert-Butylbenzene	108		92		70-130	16		30
1,2-Dibromo-3-chloropropane	118		103		68-130	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1304741-3 WG1304741-4								
Isopropylbenzene	109		93		70-130	16		30
p-Isopropyltoluene	111		93		70-130	18		30
Naphthalene	120		105		70-130	13		30
n-Propylbenzene	107		90		70-130	17		30
1,2,4-Trichlorobenzene	109		92		70-130	17		30
1,3,5-Trimethylbenzene	109		92		70-130	17		30
1,2,4-Trimethylbenzene	112		94		70-130	17		30
Methyl Acetate	117		103		51-146	13		30
Cyclohexane	109		90		59-142	19		30
Freon-113	88		70		50-139	23		30
Methyl cyclohexane	110		90		70-130	20		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		98		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	98		101		70-130
Dibromofluoromethane	102		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1304781-3 WG1304781-4								
Methylene chloride	100		91		70-130	9		20
1,1-Dichloroethane	99		88		70-130	12		20
Chloroform	100		91		70-130	9		20
Carbon tetrachloride	100		94		63-132	6		20
1,2-Dichloropropane	98		88		70-130	11		20
Dibromochloromethane	97		88		63-130	10		20
1,1,2-Trichloroethane	100		93		70-130	7		20
Tetrachloroethene	120		100		70-130	18		20
Chlorobenzene	100		94		75-130	6		20
Trichlorofluoromethane	99		90		62-150	10		20
1,2-Dichloroethane	97		87		70-130	11		20
1,1,1-Trichloroethane	100		92		67-130	8		20
Bromodichloromethane	100		85		67-130	16		20
trans-1,3-Dichloropropene	86		70		70-130	**21**	Q	20
cis-1,3-Dichloropropene	100		88		70-130	13		20
Bromoform	98		90		54-136	9		20
1,1,2,2-Tetrachloroethane	96		87		67-130	10		20
Benzene	100		94		70-130	6		20
Toluene	100		92		70-130	8		20
Ethylbenzene	100		92		70-130	8		20
Chloromethane	70		**62**	Q	64-130	12		20
Bromomethane	84		80		39-139	5		20
Vinyl chloride	90		80		55-140	12		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1304781-3 WG1304781-4								
Chloroethane	99		90		55-138	10		20
1,1-Dichloroethene	110		96		61-145	14		20
trans-1,2-Dichloroethene	100		92		70-130	8		20
Trichloroethene	98		88		70-130	11		20
1,2-Dichlorobenzene	100		94		70-130	6		20
1,3-Dichlorobenzene	100		95		70-130	5		20
1,4-Dichlorobenzene	100		93		70-130	7		20
Methyl tert butyl ether	100		79		63-130	**23**	Q	20
p/m-Xylene	110		100		70-130	10		20
o-Xylene	110		95		70-130	15		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Styrene	110		100		70-130	10		20
Dichlorodifluoromethane	48		43		36-147	11		20
Acetone	140		100		58-148	**33**	Q	20
Carbon disulfide	100		84		51-130	17		20
2-Butanone	100		84		63-138	17		20
4-Methyl-2-pentanone	94		84		59-130	11		20
2-Hexanone	87		73		57-130	18		20
1,2-Dibromoethane	110		98		70-130	12		20
n-Butylbenzene	100		92		53-136	8		20
sec-Butylbenzene	100		96		70-130	4		20
tert-Butylbenzene	100		97		70-130	3		20
1,2-Dibromo-3-chloropropane	97		85		41-144	13		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1304781-3 WG1304781-4								
Isopropylbenzene	100		96		70-130	4		20
p-Isopropyltoluene	110		100		70-130	10		20
Naphthalene	110		95		70-130	15		20
n-Propylbenzene	100		92		69-130	8		20
1,2,4-Trichlorobenzene	100		93		70-130	7		20
1,3,5-Trimethylbenzene	100		94		64-130	6		20
1,2,4-Trimethylbenzene	100		94		70-130	6		20
Methyl Acetate	97		90		70-130	7		20
Cyclohexane	100		94		70-130	6		20
Freon-113	110		99		70-130	11		20
Methyl cyclohexane	110		99		70-130	11		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	104		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 06,10 Batch: WG1305252-3 WG1305252-4								
Methylene chloride	101		102		70-130	1		30
1,1-Dichloroethane	109		110		70-130	1		30
Chloroform	113		114		70-130	1		30
Carbon tetrachloride	105		108		70-130	3		30
1,2-Dichloropropane	107		109		70-130	2		30
Dibromochloromethane	86		88		70-130	2		30
1,1,2-Trichloroethane	86		87		70-130	1		30
Tetrachloroethene	89		90		70-130	1		30
Chlorobenzene	96		96		70-130	0		30
Trichlorofluoromethane	97		95		70-139	2		30
1,2-Dichloroethane	98		99		70-130	1		30
1,1,1-Trichloroethane	103		102		70-130	1		30
Bromodichloromethane	97		98		70-130	1		30
trans-1,3-Dichloropropene	92		92		70-130	0		30
cis-1,3-Dichloropropene	103		104		70-130	1		30
Bromoform	81		83		70-130	2		30
1,1,2,2-Tetrachloroethane	76		77		70-130	1		30
Benzene	102		102		70-130	0		30
Toluene	90		90		70-130	0		30
Ethylbenzene	92		91		70-130	1		30
Chloromethane	123		121		52-130	2		30
Bromomethane	138		133		57-147	4		30
Vinyl chloride	126		123		67-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 06,10 Batch: WG1305252-3 WG1305252-4								
Chloroethane	118		114		50-151	3		30
1,1-Dichloroethene	107		107		65-135	0		30
trans-1,2-Dichloroethene	105		106		70-130	1		30
Trichloroethene	102		102		70-130	0		30
1,2-Dichlorobenzene	82		82		70-130	0		30
1,3-Dichlorobenzene	84		84		70-130	0		30
1,4-Dichlorobenzene	82		82		70-130	0		30
Methyl tert butyl ether	103		105		66-130	2		30
p/m-Xylene	88		88		70-130	0		30
o-Xylene	87		86		70-130	1		30
cis-1,2-Dichloroethene	103		105		70-130	2		30
Styrene	87		86		70-130	1		30
Dichlorodifluoromethane	108		110		30-146	2		30
Acetone	132		124		54-140	6		30
Carbon disulfide	108		109		59-130	1		30
2-Butanone	112		108		70-130	4		30
4-Methyl-2-pentanone	99		101		70-130	2		30
2-Hexanone	105		100		70-130	5		30
1,2-Dibromoethane	86		88		70-130	2		30
n-Butylbenzene	88		86		70-130	2		30
sec-Butylbenzene	86		85		70-130	1		30
tert-Butylbenzene	86		85		70-130	1		30
1,2-Dibromo-3-chloropropane	84		85		68-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 06,10 Batch: WG1305252-3 WG1305252-4								
Isopropylbenzene	84		84		70-130	0		30
p-Isopropyltoluene	88		87		70-130	1		30
Naphthalene	85		83		70-130	2		30
n-Propylbenzene	87		86		70-130	1		30
1,2,4-Trichlorobenzene	86		86		70-130	0		30
1,3,5-Trimethylbenzene	84		84		70-130	0		30
1,2,4-Trimethylbenzene	84		84		70-130	0		30
Methyl Acetate	103		103		51-146	0		30
Cyclohexane	114		112		59-142	2		30
Freon-113	109		110		50-139	1		30
Methyl cyclohexane	109		108		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	90		90		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	98		98		70-130

SEMIVOLATILES

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-01
Client ID: SUMP-1 (POST)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 12:40
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/05/19 16:55
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 11/04/19 13:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	87		15-120
4-Terphenyl-d14	96		41-149

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-02
Client ID: TB-05-32 (8-9.8)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/04/19 01:47
Analyst: JRW
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 11/02/19 03:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Fluoranthene	160		ug/kg	110	21.	1
Benzo(a)anthracene	51	J	ug/kg	110	21.	1
Benzo(a)pyrene	51	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	83	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	64	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	38	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	100	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	38	J	ug/kg	150	26.	1
Pyrene	130		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	58		30-120
4-Terphenyl-d14	64		18-120

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-03
Client ID: TB-06-32 (6-8)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 12:06
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/04/19 02:10
Analyst: JRW
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 11/02/19 03:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Fluoranthene	ND		ug/kg	120	23.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	64		30-120
4-Terphenyl-d14	66		18-120

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-04
Client ID: TB-09-24 (8-8.3)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 12:27
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/04/19 02:33
Analyst: JRW
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 11/02/19 03:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Fluoranthene	ND		ug/kg	110	21.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	62		30-120
4-Terphenyl-d14	67		18-120

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-05
Client ID: TB-10-24 (8-9.3)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 10:39
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/04/19 02:56
Analyst: JRW
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 11/02/19 03:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Fluoranthene	ND		ug/kg	120	22.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	65		30-120
4-Terphenyl-d14	67		18-120

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-07
Client ID: TB-11-24 (8-9)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 11:26
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/04/19 03:19
Analyst: JRW
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 11/02/19 03:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	190	25.	1
Fluoranthene	110	J	ug/kg	140	27.	1
Benzo(a)anthracene	48	J	ug/kg	140	27.	1
Benzo(a)pyrene	ND		ug/kg	190	58.	1
Benzo(b)fluoranthene	68	J	ug/kg	140	40.	1
Benzo(k)fluoranthene	ND		ug/kg	140	38.	1
Chrysene	56	J	ug/kg	140	25.	1
Acenaphthylene	ND		ug/kg	190	37.	1
Anthracene	ND		ug/kg	140	46.	1
Benzo(ghi)perylene	36	J	ug/kg	190	28.	1
Fluorene	ND		ug/kg	240	23.	1
Phenanthrene	58	J	ug/kg	140	29.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	28.	1
Indeno(1,2,3-cd)pyrene	38	J	ug/kg	190	33.	1
Pyrene	88	J	ug/kg	140	24.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	60		30-120
4-Terphenyl-d14	65		18-120

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-08 D
Client ID: TB-12-24 (6-8)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 09:39
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/06/19 15:08
Analyst: JG
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 11/04/19 20:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	15000		ug/kg	2500	320	5
Fluoranthene	76000		ug/kg	1900	360	5
Benzo(a)anthracene	36000		ug/kg	1900	350	5
Benzo(a)pyrene	26000		ug/kg	2500	760	5
Benzo(b)fluoranthene	30000		ug/kg	1900	520	5
Benzo(k)fluoranthene	11000		ug/kg	1900	500	5
Chrysene	29000		ug/kg	1900	320	5
Acenaphthylene	7300		ug/kg	2500	480	5
Anthracene	35000		ug/kg	1900	610	5
Benzo(ghi)perylene	10000		ug/kg	2500	360	5
Fluorene	25000		ug/kg	3100	300	5
Phenanthrene	100000		ug/kg	1900	380	5
Dibenzo(a,h)anthracene	3300		ug/kg	1900	360	5
Indeno(1,2,3-cd)pyrene	12000		ug/kg	2500	430	5
Pyrene	60000		ug/kg	1900	310	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	55		30-120
4-Terphenyl-d14	48		18-120

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-09
Client ID: TB-13-24 (8-10)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 10:19
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/04/19 04:06
Analyst: JRW
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 11/02/19 03:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Fluoranthene	110		ug/kg	110	22.	1
Benzo(a)anthracene	50	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	40	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	38	J	ug/kg	110	20.	1
Acenaphthylene	29	J	ug/kg	150	29.	1
Anthracene	64	J	ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	34	J	ug/kg	190	18.	1
Phenanthrene	140		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	85	J	ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	58		30-120
4-Terphenyl-d14	61		18-120

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-10
Client ID: TB-14-24 (4-6)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 09:03
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/04/19 04:29
Analyst: JRW
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 11/02/19 03:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Fluoranthene	65	J	ug/kg	120	23.	1
Benzo(a)anthracene	39	J	ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	51	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	56	J	ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	62	J	ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	63		30-120
4-Terphenyl-d14	54		18-120

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/03/19 22:34
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 11/02/19 01:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-05,07,09-10 Batch: WG1303704-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	99	19.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	84		18-120

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/05/19 17:09
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 11/04/19 09:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1304175-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	100	19.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	27.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	61		18-120

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/05/19 10:22
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 11/04/19 13:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1304306-1					
Acenaphthene	ND		ug/l	0.10	0.04
Fluoranthene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.04
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04
Chrysene	ND		ug/l	0.10	0.04
Acenaphthylene	ND		ug/l	0.10	0.04
Anthracene	ND		ug/l	0.10	0.04
Benzo(ghi)perylene	ND		ug/l	0.10	0.04
Fluorene	ND		ug/l	0.10	0.04
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04
Pyrene	ND		ug/l	0.10	0.04

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	106		15-120
4-Terphenyl-d14	93		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05,07,09-10 Batch: WG1303704-2 WG1303704-3								
Acenaphthene	86		84		31-137	2		50
Fluoranthene	86		84		40-140	2		50
Benzo(a)anthracene	94		93		40-140	1		50
Benzo(a)pyrene	90		84		40-140	7		50
Benzo(b)fluoranthene	94		86		40-140	9		50
Benzo(k)fluoranthene	97		90		40-140	7		50
Chrysene	84		82		40-140	2		50
Acenaphthylene	82		80		40-140	2		50
Anthracene	88		87		40-140	1		50
Benzo(ghi)perylene	93		88		40-140	6		50
Fluorene	89		89		40-140	0		50
Phenanthrene	84		83		40-140	1		50
Dibenzo(a,h)anthracene	96		95		40-140	1		50
Indeno(1,2,3-cd)pyrene	105		103		40-140	2		50
Pyrene	82		81		35-142	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	99		96		25-120
Phenol-d6	104		100		10-120
Nitrobenzene-d5	105		97		23-120
2-Fluorobiphenyl	77		76		30-120
2,4,6-Tribromophenol	89		89		10-136
4-Terphenyl-d14	85		83		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1304175-2 WG1304175-3								
Acenaphthene	81		84		31-137	4		50
Fluoranthene	79		86		40-140	8		50
Benzo(a)anthracene	83		90		40-140	8		50
Benzo(a)pyrene	83		88		40-140	6		50
Benzo(b)fluoranthene	87		91		40-140	4		50
Benzo(k)fluoranthene	86		93		40-140	8		50
Chrysene	82		90		40-140	9		50
Acenaphthylene	82		87		40-140	6		50
Anthracene	79		86		40-140	8		50
Benzo(ghi)perylene	83		90		40-140	8		50
Fluorene	81		88		40-140	8		50
Phenanthrene	77		84		40-140	9		50
Dibenzo(a,h)anthracene	81		88		40-140	8		50
Indeno(1,2,3-cd)pyrene	82		88		40-140	7		50
Pyrene	78		84		35-142	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		88		25-120
Phenol-d6	78		85		10-120
Nitrobenzene-d5	57		63		23-120
2-Fluorobiphenyl	64		68		30-120
2,4,6-Tribromophenol	92		97		10-136
4-Terphenyl-d14	64		68		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1304306-2 WG1304306-3								
Acenaphthene	79		83		40-140	5		40
Fluoranthene	85		89		40-140	5		40
Benzo(a)anthracene	99		105		40-140	6		40
Benzo(a)pyrene	99		104		40-140	5		40
Benzo(b)fluoranthene	93		99		40-140	6		40
Benzo(k)fluoranthene	87		91		40-140	4		40
Chrysene	92		99		40-140	7		40
Acenaphthylene	84		89		40-140	6		40
Anthracene	87		92		40-140	6		40
Benzo(ghi)perylene	92		98		40-140	6		40
Fluorene	84		88		40-140	5		40
Phenanthrene	74		78		40-140	5		40
Dibenzo(a,h)anthracene	97		103		40-140	6		40
Indeno(1,2,3-cd)pyrene	108		115		40-140	6		40
Pyrene	82		87		40-140	6		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	79		80		23-120
2-Fluorobiphenyl	102		106		15-120
4-Terphenyl-d14	103		107		41-149

INORGANICS
&
MISCELLANEOUS

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-02
Client ID: TB-05-32 (8-9.8)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 11:45
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.1		%	0.100	NA	1	-	10/31/19 14:00	121,2540G	RI

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-03
Client ID: TB-06-32 (6-8)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 12:06
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.6		%	0.100	NA	1	-	10/31/19 14:00	121,2540G	RI

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-04
Client ID: TB-09-24 (8-8.3)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 12:27
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	10/31/19 14:00	121,2540G	RI

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-05
Client ID: TB-10-24 (8-9.3)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 10:39
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.0		%	0.100	NA	1	-	10/31/19 14:00	121,2540G	RI

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-06
Client ID: TB-11-24 (6-7)
Sample Location: ROCHESTER, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/30/19 11:22
Date Received: 10/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	10/31/19 14:00	121,2540G	RI

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-07
Client ID: TB-11-24 (8-9)
Sample Location: ROCHESTER, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/30/19 11:26
Date Received: 10/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.8		%	0.100	NA	1	-	10/31/19 14:00	121,2540G	RI

Project Name: 24+32 YORK STREET
Project Number: 56585-19
Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-08
Client ID: TB-12-24 (6-8)
Sample Location: ROCHESTER, NY
Sample Depth:
Matrix: Soil

Date Collected: 10/30/19 09:39
Date Received: 10/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.6		%	0.100	NA	1	-	10/31/19 14:00	121,2540G	RI

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-09
Client ID: TB-13-24 (8-10)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 10:19
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.1		%	0.100	NA	1	-	10/31/19 14:00	121,2540G	RI

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951354-10
Client ID: TB-14-24 (4-6)
Sample Location: ROCHESTER, NY

Date Collected: 10/30/19 09:03
Date Received: 10/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	10/31/19 14:00	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 24+32 YORK STREET

Project Number: 56585-19

Lab Number: L1951354

Report Date: 11/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-10 QC Batch ID: WG1303043-1 QC Sample: L1951294-02 Client ID: DUP Sample						
Solids, Total	64.6	60.3	%	7		20

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951354-01A	Vial HCl preserved	A	NA		5.8	Y	Absent		NYTCL-8260(14)
L1951354-01B	Vial HCl preserved	A	NA		5.8	Y	Absent		NYTCL-8260(14)
L1951354-01C	Vial HCl preserved	A	NA		5.8	Y	Absent		NYTCL-8260(14)
L1951354-01D	Amber 1000ml unpreserved	A	7	7	5.8	Y	Absent		NYCP51-PAHSIM(7)
L1951354-01E	Amber 1000ml unpreserved	A	7	7	5.8	Y	Absent		NYCP51-PAHSIM(7)
L1951354-02A	Vial MeOH preserved	A	NA		5.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1951354-02B	Vial water preserved	A	NA		5.8	Y	Absent	31-OCT-19 13:01	NYTCL-8260HLW-R2(14)
L1951354-02C	Vial water preserved	A	NA		5.8	Y	Absent	31-OCT-19 13:01	NYTCL-8260HLW-R2(14)
L1951354-02D	Glass 60mL/2oz unpreserved	A	NA		5.8	Y	Absent		TS(7)
L1951354-02E	Glass 120ml/4oz unpreserved	A	NA		5.8	Y	Absent		NYCP51-PAH(14)
L1951354-03A	Vial MeOH preserved	A	NA		5.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1951354-03B	Vial water preserved	A	NA		5.8	Y	Absent	31-OCT-19 13:01	NYTCL-8260HLW-R2(14)
L1951354-03C	Vial water preserved	A	NA		5.8	Y	Absent	31-OCT-19 13:01	NYTCL-8260HLW-R2(14)
L1951354-03D	Glass 60mL/2oz unpreserved	A	NA		5.8	Y	Absent		TS(7)
L1951354-03E	Glass 120ml/4oz unpreserved	A	NA		5.8	Y	Absent		NYCP51-PAH(14)
L1951354-04A	Vial MeOH preserved	A	NA		5.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1951354-04B	Vial water preserved	A	NA		5.8	Y	Absent	31-OCT-19 13:01	NYTCL-8260HLW-R2(14)
L1951354-04C	Vial water preserved	A	NA		5.8	Y	Absent	31-OCT-19 13:01	NYTCL-8260HLW-R2(14)
L1951354-04D	Glass 120ml/4oz unpreserved	A	NA		5.8	Y	Absent		NYCP51-PAH(14),TS(7)
L1951354-05A	Vial MeOH preserved	A	NA		5.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1951354-05B	Vial water preserved	A	NA		5.8	Y	Absent	31-OCT-19 13:01	NYTCL-8260HLW-R2(14)
L1951354-05C	Vial water preserved	A	NA		5.8	Y	Absent	31-OCT-19 13:01	NYTCL-8260HLW-R2(14)
L1951354-05D	Glass 120ml/4oz unpreserved	A	NA		5.8	Y	Absent		NYCP51-PAH(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name: 24+32 YORK STREET
Project Number: 56585-19

Lab Number: L1951354
Report Date: 11/06/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951354-06A	Vial MeOH preserved	A	NA		5.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1951354-06B	Vial water preserved	A	NA		5.8	Y	Absent	31-OCT-19 13:01	NYTCL-8260HLW-R2(14)
L1951354-06C	Vial water preserved	A	NA		5.8	Y	Absent	31-OCT-19 13:01	NYTCL-8260HLW-R2(14)
L1951354-06D	Glass 60mL/2oz unpreserved	A	NA		5.8	Y	Absent		TS(7)
L1951354-07A	Glass 120ml/4oz unpreserved	A	NA		5.8	Y	Absent		NYCP51-PAH(14),TS(7)
L1951354-08A	Vial MeOH preserved	A	NA		5.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1951354-08B	Vial water preserved	A	NA		5.8	Y	Absent	31-OCT-19 13:01	NYTCL-8260HLW-R2(14)
L1951354-08C	Vial water preserved	A	NA		5.8	Y	Absent	31-OCT-19 13:01	NYTCL-8260HLW-R2(14)
L1951354-08D	Glass 60mL/2oz unpreserved	A	NA		5.8	Y	Absent		TS(7)
L1951354-08E	Glass 120ml/4oz unpreserved	A	NA		5.8	Y	Absent		NYCP51-PAH(14)
L1951354-09A	Vial MeOH preserved	A	NA		5.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1951354-09B	Vial water preserved	A	NA		5.8	Y	Absent	31-OCT-19 13:01	NYTCL-8260HLW-R2(14)
L1951354-09C	Vial water preserved	A	NA		5.8	Y	Absent	31-OCT-19 13:01	NYTCL-8260HLW-R2(14)
L1951354-09D	Glass 60mL/2oz unpreserved	A	NA		5.8	Y	Absent		TS(7)
L1951354-09E	Glass 120ml/4oz unpreserved	A	NA		5.8	Y	Absent		NYCP51-PAH(14)
L1951354-10A	Vial MeOH preserved	A	NA		5.8	Y	Absent		NYTCL-8260HLW-R2(14)
L1951354-10B	Vial water preserved	A	NA		5.8	Y	Absent	31-OCT-19 13:01	NYTCL-8260HLW-R2(14)
L1951354-10C	Vial water preserved	A	NA		5.8	Y	Absent	31-OCT-19 13:01	NYTCL-8260HLW-R2(14)
L1951354-10D	Glass 60mL/2oz unpreserved	A	NA		5.8	Y	Absent		TS(7)
L1951354-10E	Glass 120ml/4oz unpreserved	A	NA		5.8	Y	Absent		NYCP51-PAH(14)

*Values in parentheses indicate holding time in days

Project Name:	24+32 YORK STREET	**Lab Number:**	L1951354
Project Number:	56585-19	**Report Date:**	11/06/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	24+32 YORK STREET	**Lab Number:**	L1951354
Project Number:	56585-19	**Report Date:**	11/06/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

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

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	24+32 YORK STREET	**Lab Number:**	L1951354
Project Number:	56585-19	**Report Date:**	11/06/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 1 of 1

Date Rec'd in Lab: 10/31/19

ALPHA Job #: L1951354

Client Information
Client: Day Environmental, Inc.
Address: 1563 Lyell Avenue
Phone: 585-454-0210
Fax: 585-454-0825
Email: jdanzinger@daymail.net

Project Information
Project Name: 24 + 32 York Street
Project Location: Rochester, NY
Project #: 56585-19
(Use Project name as Project #)
Project Manager: Jeff Danzinger
ALPHAQuote #:

Turn-Around Time
Standard: X
Rush (only if pre approved):
Due Date:
# of Days:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
- ASP-A
- ASP-B PDF
- EQuIS (1 File)
- EQuIS (4 File) NYSDEC Excel
- Other

Regulatory Requirement
- NY TOGS
- NY Part 375
- AWQ Standards
- NY CP-51
- NY Restricted Use
- Other
- NY Unrestricted Use
- NYC Sewer Discharge

Billing Information
- Same as Client Info

PO # 56585-19

Disposal Site Information
Please identify below location of applicable disposal facilities.

Disposal Facility:
- NJ
- NY
- Other:

ANALYSIS
TCL + NYSDEC CP-51 VOCs BTEX
NYSDEC CP-51 SVOCs BTEX

Sample Filtration
- Done
- Lab to do

Preservation
- Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL + NYSDEC CP-51 VOCs BTEX	NYSDEC CP-51 SVOCs BTEX	Sample Specific Comments	Total Bottle
51354-01	Sump-1 (Post)	10/30/19	1240	Water	JAD	X	X		5
-02	TB-05-32 (B-9.5)	10/30/19	1145	Soil	JAD	X	X		5
-03	TB-06-32 (6-8)	10/30/19	1206	Soil	JAD	X	X		5
-04	TB-09-24 (8-8.3)	10/30/19	1227	Soil	JAD	X	X		4
-05	TB-10-24 (8-9.3)	10/30/19	1039	Soil	JAD	X	X		4
-06	TB-11-24 (6-7)	10/30/19	1122	Soil	JAD	X			4
-07	TB-11-24 (8-9)	10/30/19	1126	Soil	JAD		X		1
-08	TB-12-24 (6-8)	10/30/19	0939	Soil	JAD	X	X		5
-09	TB-13-24 (8-10)	10/30/19	1019	Soil	JAD	X	X		5
-10	TB-14-24 (4-6)	10/30/19	0903	Soil	JAD	X	X		5

Container Type: A/V A
Preservative:

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	10/30/19 1608		10/30/19 16:08
	10/30/19 16:08		10/31/19 00:50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

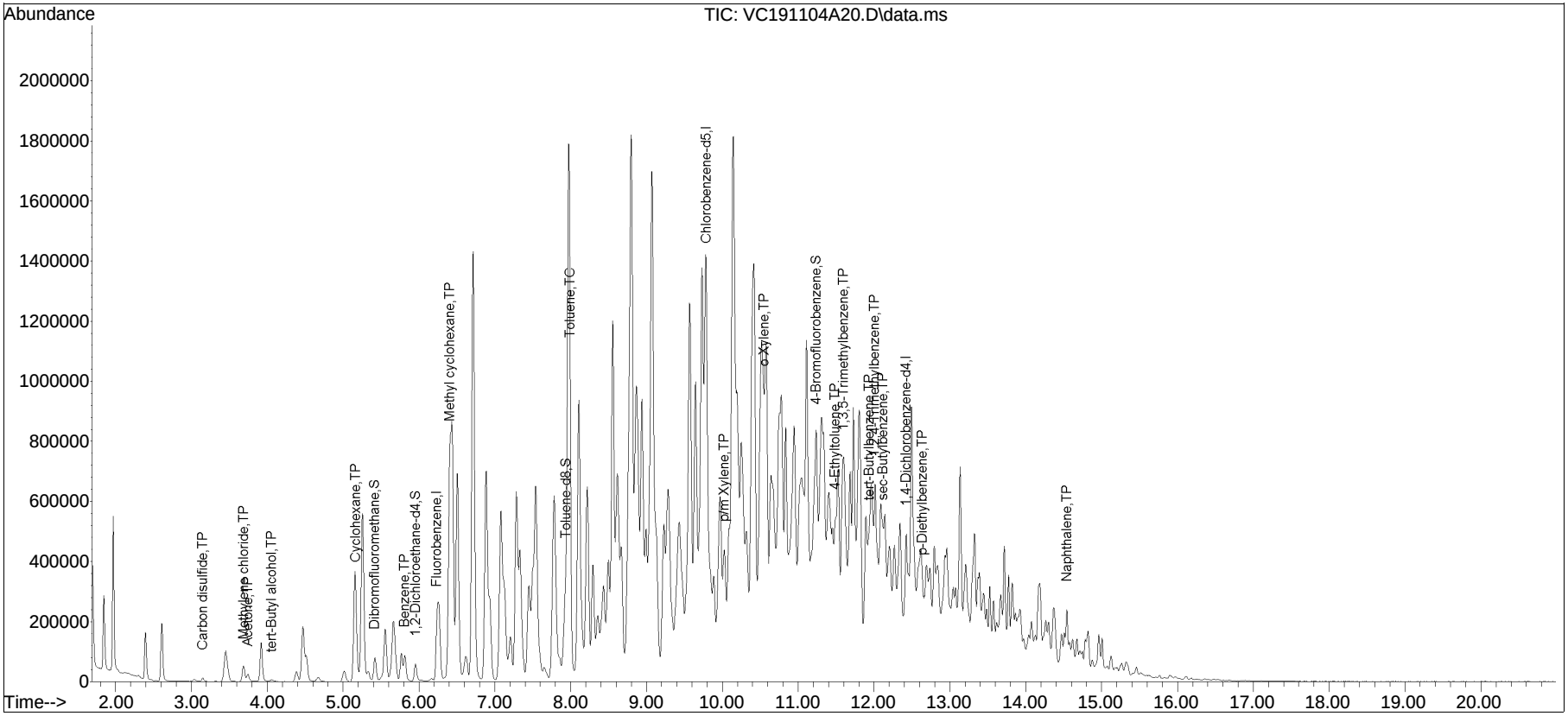
Form No: 01-25 HC (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Charlie\2019\191104A\
Data File : VC191104A20.D
Acq On : 5 Nov 2019 12:16 am
Operator : CHARLIE:NLK
Sample : l1951354-04,31,6.24,5,,b
Misc : WG1304594,ICAL16258
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 05 07:28:02 2019
Quant Method : I:\VOLATILES\Charlie\2019\Methods\C_191031_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Oct 31 13:02:59 2019
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox04A\VC191104A02.D•



ANALYTICAL REPORT

Lab Number:	L1952193
Client:	Day Environmental, Inc. 1563 Lyell Avenue Rochester, NY 14606
ATTN:	Jeff Danzinger
Phone:	(585) 454-0210
Project Name:	24 + 32 YORK STREET
Project Number:	56585-19
Report Date:	11/12/19

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19

Lab Number: L1952193
Report Date: 11/12/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1952193-01	TMW-05-32	WATER	ROCHESTER, NY	11/04/19 09:56	11/04/19
L1952193-02	TMW-09-24	WATER	ROCHESTER, NY	11/04/19 10:40	11/04/19
L1952193-03	TMW-12-24	WATER	ROCHESTER, NY	11/04/19 10:55	11/04/19
L1952193-04	TMW-13-24	WATER	ROCHESTER, NY	11/04/19 12:20	11/04/19
L1952193-05	TMW-14-24	WATER	ROCHESTER, NY	11/04/19 11:25	11/04/19
L1952193-06	TB110419	WATER	ROCHESTER, NY	11/04/19 00:00	11/04/19

Project Name:	24 + 32 YORK STREET	**Lab Number:**	L1952193
Project Number:	56585-19	**Report Date:**	11/12/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	24 + 32 YORK STREET	**Lab Number:**	L1952193
Project Number:	56585-19	**Report Date:**	11/12/19

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics by SIM

L1952193-03: The sample has elevated detection limits due to the dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 11/12/19

ORGANICS

VOLATILES

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19
Lab Number: L1952193
Report Date: 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-01
Client ID: TMW-05-32
Sample Location: ROCHESTER, NY
Date Collected: 11/04/19 09:56
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/09/19 14:41
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	3.0		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	0.26	J	ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	0.51		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 24 + 32 YORK STREET **Lab Number:** L1952193

Project Number: 56585-19 **Report Date:** 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-01 Date Collected: 11/04/19 09:56

Client ID: TMW-05-32 Date Received: 11/04/19

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.2		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	107		70-130

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19
Lab Number: L1952193
Report Date: 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-02
Client ID: TMW-09-24
Sample Location: ROCHESTER, NY

Date Collected: 11/04/19 10:40
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/09/19 15:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 24 + 32 YORK STREET **Lab Number:** L1952193

Project Number: 56585-19 **Report Date:** 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-02 Date Collected: 11/04/19 10:40

Client ID: TMW-09-24 Date Received: 11/04/19

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	111		70-130

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19
Lab Number: L1952193
Report Date: 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-03 D
Client ID: TMW-12-24
Sample Location: ROCHESTER, NY

Date Collected: 11/04/19 10:55
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/09/19 17:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	ND		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	ND		ug/l	4.0	0.55	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	ND		ug/l	2.0	0.72	4
Chlorobenzene	ND		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	ND		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.58	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.67	4
Benzene	3.0		ug/l	2.0	0.64	4
Toluene	ND		ug/l	10	2.8	4
Ethylbenzene	ND		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	ND		ug/l	10	2.8	4
Vinyl chloride	ND		ug/l	4.0	0.28	4
Chloroethane	ND		ug/l	10	2.8	4
1,1-Dichloroethene	ND		ug/l	2.0	0.68	4
trans-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Trichloroethene	ND		ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4

Project Name: 24 + 32 YORK STREET **Lab Number:** L1952193

Project Number: 56585-19 **Report Date:** 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-03 D Date Collected: 11/04/19 10:55
Client ID: TMW-12-24 Date Received: 11/04/19
Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	10	2.8	4
1,4-Dichlorobenzene	ND		ug/l	10	2.8	4
Methyl tert butyl ether	ND		ug/l	10	2.8	4
p/m-Xylene	ND		ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
cis-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Styrene	ND		ug/l	10	2.8	4
Dichlorodifluoromethane	ND		ug/l	20	4.0	4
Acetone	ND		ug/l	20	5.8	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	7.8	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
n-Butylbenzene	ND		ug/l	10	2.8	4
sec-Butylbenzene	ND		ug/l	10	2.8	4
tert-Butylbenzene	ND		ug/l	10	2.8	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
Isopropylbenzene	ND		ug/l	10	2.8	4
p-Isopropyltoluene	ND		ug/l	10	2.8	4
Naphthalene	460		ug/l	10	2.8	4
n-Propylbenzene	ND		ug/l	10	2.8	4
1,2,4-Trichlorobenzene	ND		ug/l	10	2.8	4
1,3,5-Trimethylbenzene	ND		ug/l	10	2.8	4
1,2,4-Trimethylbenzene	ND		ug/l	10	2.8	4
Methyl Acetate	ND		ug/l	8.0	0.94	4
Cyclohexane	ND		ug/l	40	1.1	4
Freon-113	ND		ug/l	10	2.8	4
Methyl cyclohexane	ND		ug/l	40	1.6	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19
Lab Number: L1952193
Report Date: 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-04
Client ID: TMW-13-24
Sample Location: ROCHESTER, NY

Date Collected: 11/04/19 12:20
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/09/19 15:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 24 + 32 YORK STREET **Lab Number:** L1952193

Project Number: 56585-19 **Report Date:** 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-04 Date Collected: 11/04/19 12:20

Client ID: TMW-13-24 Date Received: 11/04/19

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	106		70-130

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19
Lab Number: L1952193
Report Date: 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-05
Client ID: TMW-14-24
Sample Location: ROCHESTER, NY
Date Collected: 11/04/19 11:25
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/09/19 15:50
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 24 + 32 YORK STREET **Lab Number:** L1952193

Project Number: 56585-19 **Report Date:** 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-05 Date Collected: 11/04/19 11:25

Client ID: TMW-14-24 Date Received: 11/04/19

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.0	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	108		70-130

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19
Lab Number: L1952193
Report Date: 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-06
Client ID: TB110419
Sample Location: ROCHESTER, NY

Date Collected: 11/04/19 00:00
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/09/19 16:13
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.2	J	ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 24 + 32 YORK STREET **Lab Number:** L1952193

Project Number: 56585-19 **Report Date:** 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-06 Date Collected: 11/04/19 00:00

Client ID: TB110419 Date Received: 11/04/19

Sample Location: ROCHESTER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	110		70-130

Project Name: 24 + 32 YORK STREET **Lab Number:** L1952193

Project Number: 56585-19 **Report Date:** 11/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/09/19 09:07
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1306854-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 24 + 32 YORK STREET **Lab Number:** L1952193

Project Number: 56585-19 **Report Date:** 11/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/09/19 09:07
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1306854-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 24 + 32 YORK STREET **Lab Number:** L1952193

Project Number: 56585-19 **Report Date:** 11/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/09/19 09:07
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1306854-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19

Lab Number: L1952193
Report Date: 11/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1306854-3 WG1306854-4								
Methylene chloride	90		91		70-130	1		20
1,1-Dichloroethane	85		84		70-130	1		20
Chloroform	89		90		70-130	1		20
Carbon tetrachloride	92		89		63-132	3		20
1,2-Dichloropropane	85		85		70-130	0		20
Dibromochloromethane	94		94		63-130	0		20
1,1,2-Trichloroethane	94		96		70-130	2		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	96		96		75-130	0		20
Trichlorofluoromethane	86		83		62-150	4		20
1,2-Dichloroethane	88		88		70-130	0		20
1,1,1-Trichloroethane	91		91		67-130	0		20
Bromodichloromethane	88		88		67-130	0		20
trans-1,3-Dichloropropene	79		80		70-130	1		20
cis-1,3-Dichloropropene	89		89		70-130	0		20
Bromoform	99		98		54-136	1		20
1,1,2,2-Tetrachloroethane	87		89		67-130	2		20
Benzene	91		91		70-130	0		20
Toluene	92		91		70-130	1		20
Ethylbenzene	92		91		70-130	1		20
Chloromethane	**62**	Q	**60**	Q	64-130	3		20
Bromomethane	65		74		39-139	13		20
Vinyl chloride	76		74		55-140	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 24 + 32 YORK STREET

Project Number: 56585-19

Lab Number: L1952193

Report Date: 11/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1306854-3 WG1306854-4								
Chloroethane	88		88		55-138	0		20
1,1-Dichloroethene	94		92		61-145	2		20
trans-1,2-Dichloroethene	89		88		70-130	1		20
Trichloroethene	86		86		70-130	0		20
1,2-Dichlorobenzene	98		97		70-130	1		20
1,3-Dichlorobenzene	98		99		70-130	1		20
1,4-Dichlorobenzene	95		96		70-130	1		20
Methyl tert butyl ether	88		86		63-130	2		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	59		56		36-147	5		20
Acetone	89		96		58-148	8		20
Carbon disulfide	82		81		51-130	1		20
2-Butanone	87		84		63-138	4		20
4-Methyl-2-pentanone	79		84		59-130	6		20
2-Hexanone	75		75		57-130	0		20
1,2-Dibromoethane	100		100		70-130	0		20
n-Butylbenzene	88		88		53-136	0		20
sec-Butylbenzene	92		92		70-130	0		20
tert-Butylbenzene	94		94		70-130	0		20
1,2-Dibromo-3-chloropropane	97		100		41-144	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19

Lab Number: L1952193
Report Date: 11/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1306854-3 WG1306854-4								
Isopropylbenzene	93		92		70-130	1		20
p-Isopropyltoluene	98		97		70-130	1		20
Naphthalene	96		100		70-130	4		20
n-Propylbenzene	89		89		69-130	0		20
1,2,4-Trichlorobenzene	97		100		70-130	3		20
1,3,5-Trimethylbenzene	93		92		64-130	1		20
1,2,4-Trimethylbenzene	94		94		70-130	0		20
Methyl Acetate	80		90		70-130	12		20
Cyclohexane	81		79		70-130	3		20
Freon-113	92		89		70-130	3		20
Methyl cyclohexane	88		86		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	89		90		70-130
Dibromofluoromethane	107		106		70-130

SEMIVOLATILES

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19
Lab Number: L1952193
Report Date: 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-01
Client ID: TMW-05-32
Sample Location: ROCHESTER, NY

Date Collected: 11/04/19 09:56
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/09/19 16:46
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/07/19 12:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
Fluoranthene	0.11		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.06	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.06	J	ug/l	0.10	0.04	1
Benzo(b)fluoranthene	0.09	J	ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	0.07	J	ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	0.06	J	ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.08	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	0.05	J	ug/l	0.10	0.04	1
Pyrene	0.11		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	95		15-120
4-Terphenyl-d14	66		41-149

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19
Lab Number: L1952193
Report Date: 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-02
Client ID: TMW-09-24
Sample Location: ROCHESTER, NY

Date Collected: 11/04/19 10:40
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/09/19 17:03
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/07/19 12:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
Fluoranthene	0.06	J	ug/l	0.10	0.04	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.05	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	0.05	J	ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	110		23-120
2-Fluorobiphenyl	102		15-120
4-Terphenyl-d14	68		41-149

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19
Lab Number: L1952193
Report Date: 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-03 D
Client ID: TMW-12-24
Sample Location: ROCHESTER, NY

Date Collected: 11/04/19 10:55
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/09/19 17:20
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/07/19 12:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	59		ug/l	0.50	0.18	5
Fluoranthene	9.7		ug/l	0.50	0.19	5
Benzo(a)anthracene	2.0		ug/l	0.50	0.09	5
Benzo(a)pyrene	1.2		ug/l	0.50	0.20	5
Benzo(b)fluoranthene	1.4		ug/l	0.50	0.08	5
Benzo(k)fluoranthene	0.47	J	ug/l	0.50	0.21	5
Chrysene	1.8		ug/l	0.50	0.19	5
Acenaphthylene	11		ug/l	0.50	0.18	5
Anthracene	15		ug/l	0.50	0.18	5
Benzo(ghi)perylene	0.48	J	ug/l	0.50	0.21	5
Fluorene	49		ug/l	0.50	0.18	5
Phenanthrene	61		ug/l	0.50	0.08	5
Dibenzo(a,h)anthracene	ND		ug/l	0.50	0.20	5
Indeno(1,2,3-cd)pyrene	0.62		ug/l	0.50	0.20	5
Pyrene	7.3		ug/l	0.50	0.20	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	88		15-120
4-Terphenyl-d14	56		41-149

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19
Lab Number: L1952193
Report Date: 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-04
Client ID: TMW-13-24
Sample Location: ROCHESTER, NY

Date Collected: 11/04/19 12:20
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/08/19 19:45
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 11/07/19 12:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.21		ug/l	0.10	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.02	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	49		15-120
4-Terphenyl-d14	47		41-149

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19
Lab Number: L1952193
Report Date: 11/12/19

SAMPLE RESULTS

Lab ID: L1952193-05
Client ID: TMW-14-24
Sample Location: ROCHESTER, NY

Date Collected: 11/04/19 11:25
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/12/19 11:51
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 11/11/19 12:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.10		ug/l	0.10	0.04	1
Fluoranthene	0.13		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.06	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.04	J	ug/l	0.10	0.04	1
Benzo(b)fluoranthene	0.09	J	ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	0.10		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.06	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	0.13		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	67		15-120
4-Terphenyl-d14	75		41-149

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19
Lab Number: L1952193
Report Date: 11/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/08/19 18:38
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 11/07/19 12:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1305861-1					
Acenaphthene	ND		ug/l	0.10	0.04
Fluoranthene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.04
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04
Chrysene	ND		ug/l	0.10	0.04
Acenaphthylene	ND		ug/l	0.10	0.04
Anthracene	ND		ug/l	0.10	0.04
Benzo(ghi)perylene	ND		ug/l	0.10	0.04
Fluorene	ND		ug/l	0.10	0.04
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04
Pyrene	ND		ug/l	0.10	0.04

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	38		15-120
4-Terphenyl-d14	**40**	Q	41-149

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19
Lab Number: L1952193
Report Date: 11/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/12/19 10:43
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 11/11/19 12:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1307142-1					
Acenaphthene	ND		ug/l	0.10	0.04
Fluoranthene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.04
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.02
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04
Chrysene	0.04	J	ug/l	0.10	0.04
Acenaphthylene	ND		ug/l	0.10	0.04
Anthracene	ND		ug/l	0.10	0.04
Benzo(ghi)perylene	ND		ug/l	0.10	0.04
Fluorene	ND		ug/l	0.10	0.04
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04
Pyrene	ND		ug/l	0.10	0.04

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	78		15-120
4-Terphenyl-d14	92		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19
Lab Number: L1952193
Report Date: 11/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1305861-2 WG1305861-3								
Acenaphthene	99		101		40-140	2		40
Fluoranthene	82		89		40-140	8		40
Benzo(a)anthracene	99		109		40-140	10		40
Benzo(a)pyrene	101		109		40-140	8		40
Benzo(b)fluoranthene	106		116		40-140	9		40
Benzo(k)fluoranthene	100		108		40-140	8		40
Chrysene	102		107		40-140	5		40
Acenaphthylene	101		104		40-140	3		40
Anthracene	100		104		40-140	4		40
Benzo(ghi)perylene	100		111		40-140	10		40
Fluorene	98		101		40-140	3		40
Phenanthrene	88		95		40-140	8		40
Dibenzo(a,h)anthracene	102		112		40-140	9		40
Indeno(1,2,3-cd)pyrene	104		114		40-140	9		40
Pyrene	88		95		40-140	8		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	97		92		23-120
2-Fluorobiphenyl	101		101		15-120
4-Terphenyl-d14	73		78		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19
Lab Number: L1952193
Report Date: 11/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05 Batch: WG1307142-2 WG1307142-3								
Acenaphthene	84		78		40-140	7		40
Fluoranthene	80		75		40-140	6		40
Benzo(a)anthracene	74		69		40-140	7		40
Benzo(a)pyrene	77		73		40-140	5		40
Benzo(b)fluoranthene	80		72		40-140	11		40
Benzo(k)fluoranthene	72		72		40-140	0		40
Chrysene	74		70		40-140	6		40
Acenaphthylene	87		81		40-140	7		40
Anthracene	84		76		40-140	10		40
Benzo(ghi)perylene	73		68		40-140	7		40
Fluorene	87		80		40-140	8		40
Phenanthrene	79		72		40-140	9		40
Dibenzo(a,h)anthracene	75		70		40-140	7		40
Indeno(1,2,3-cd)pyrene	74		70		40-140	6		40
Pyrene	79		74		40-140	7		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	80		74		23-120
2-Fluorobiphenyl	75		69		15-120
4-Terphenyl-d14	78		73		41-149

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19

Lab Number: L1952193
Report Date: 11/12/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1952193-01A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1952193-01B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1952193-01C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1952193-01D	Amber 1000ml unpreserved	A	7	7	3.2	Y	Absent		NYCP51-PAHSIM(7)
L1952193-01E	Amber 1000ml unpreserved	A	7	7	3.2	Y	Absent		NYCP51-PAHSIM(7)
L1952193-02A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1952193-02B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1952193-02C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1952193-02D	Amber 1000ml unpreserved	A	7	7	3.2	Y	Absent		NYCP51-PAHSIM(7)
L1952193-02E	Amber 1000ml unpreserved	A	7	7	3.2	Y	Absent		NYCP51-PAHSIM(7)
L1952193-03A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1952193-03B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1952193-03C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1952193-03D	Amber 1000ml unpreserved	A	7	7	3.2	Y	Absent		NYCP51-PAHSIM(7)
L1952193-03E	Amber 1000ml unpreserved	A	7	7	3.2	Y	Absent		NYCP51-PAHSIM(7)
L1952193-04A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1952193-04B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1952193-04C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1952193-04D	Amber 1000ml unpreserved	A	7	7	3.2	Y	Absent		NYCP51-PAHSIM(7)
L1952193-04E	Amber 1000ml unpreserved	A	7	7	3.2	Y	Absent		NYCP51-PAHSIM(7)
L1952193-05A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1952193-05B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1952193-05C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: 24 + 32 YORK STREET
Project Number: 56585-19

Lab Number: L1952193
Report Date: 11/12/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1952193-05D	Amber 1000ml unpreserved	A	7	7	3.2	Y	Absent		NYCP51-PAHSIM(7)
L1952193-05E	Amber 1000ml unpreserved	A	7	7	3.2	Y	Absent		NYCP51-PAHSIM(7)
L1952193-06A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1952193-06B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L1952193-06C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	24 + 32 YORK STREET	**Lab Number:**	L1952193
Project Number:	56585-19	**Report Date:**	11/12/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	24 + 32 YORK STREET	**Lab Number:**	L1952193
Project Number:	56585-19	**Report Date:**	11/12/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

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

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	24 + 32 YORK STREET	**Lab Number:**	L1952193
Project Number:	56585-19	**Report Date:**	11/12/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 11/5/19

ALPHA Job #: L1952193

Client Information
Client: Day Environmental, Inc.
Address: 5615 Lyell Avenue
Rochester, NY 14606
Phone: 585-454-0210
Fax: 585-454-0825
Email: jdanzinger@daymail.net

Project Information
Project Name: 24 + 32 York Street
Project Location: Rochester, NY
Project #: 5658J-19
(Use Project name as Project #)
Project Manager: Jeff Danzinger
ALPHAQuote #: 9348

Turn-Around Time
Standard: [X]
Rush (only if pre approved): [ ]
Due Date:
# of Days:

These samples have been previously analyzed by Alpha: [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
- [ ] ASP-A
- [X] ASP-B PDF
- [ ] EQuIS (1 File)
- [X] EQuIS (4 File)
- [ ] Other NYSDEC Excel

Regulatory Requirement
- [X] NY TOGS
- [ ] NY Part 375
- [X] AWQ Standards
- [ ] NY CP-51
- [ ] NY Restricted Use
- [ ] Other
- [ ] NY Unrestricted Use
- [ ] NYC Sewer Discharge

Billing Information
- [X] Same as Client Info

PO # 5658J-19

Disposal Site Information
Please identify below location of applicable disposal facilities.

Disposal Facility:
- [ ] NJ
- [ ] NY
- [ ] Other:

ANALYSIS
Sample Filtration
- [ ] Done
- [ ] Lab to do

Preservation
- [ ] Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+NYSDEC CP-51 VOCs B260	NYSDEC CP-51 SVOCs B270	Sample Specific Comments	Total Bottle
52193-01	TMW-05-32	11/4/19	0956	GW	CCD	X	X		5
-02	TMW-09-24	11/4/19	1040	GW	CCD	X	X		5
-03	TMW-12-24	11/4/19	1055	GW	CCD	X	X		5
-04	TMW-13-24	11/4/19	1220	GW	CCD	X	X		5
-05	TMW-14-24	11/4/19	1125	GW	CCD	X	X		5
-06	TB110419	11/4/19	—	W	—	X			3

Container Type: V A
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

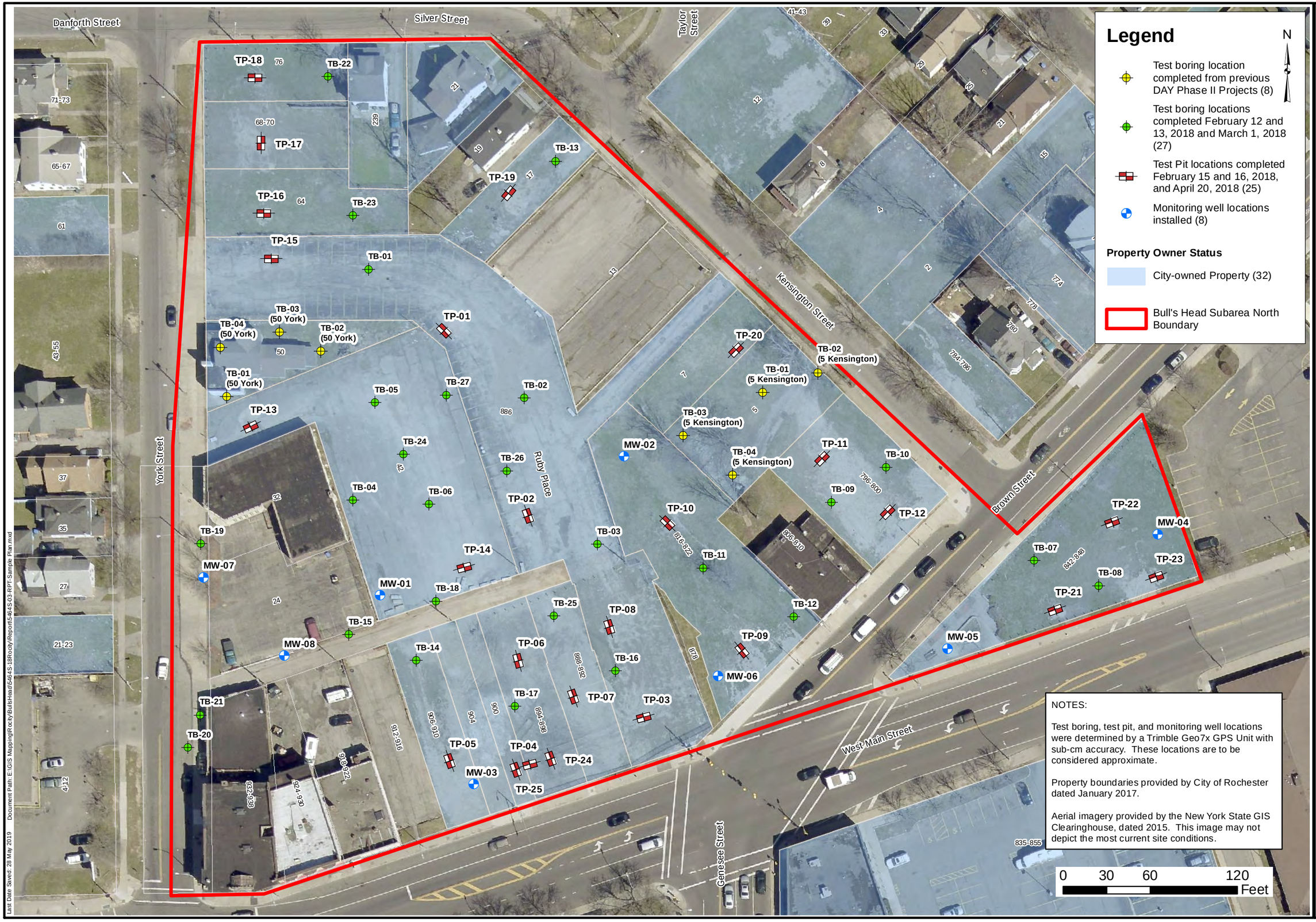
Relinquished By:	Date/Time	Received By:	Date/Time
	11/4/19 15:18	AAL	11/4/19 15:18
AAL	11/4/19 15:18		11/5/19 0815

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX D

Figures and Laboratory Data Summary Tables from Previous Reports



Legend

N

- Test boring location completed from previous DAY Phase II Projects (8)
- Test boring locations completed February 12 and 13, 2018 and March 1, 2018 (27)
- Test Pit locations completed February 15 and 16, 2018, and April 20, 2018 (25)
- Monitoring well locations installed (8)

Property Owner Status

- City-owned Property (32)
- Bull's Head Subarea North Boundary

NOTES:

Test boring, test pit, and monitoring well locations were determined by a Trimble Geo7x GPS Unit with sub-cm accuracy. These locations are to be considered approximate.

Property boundaries provided by City of Rochester dated January 2017.

Aerial imagery provided by the New York State GIS Clearinghouse, dated 2015. This image may not depict the most current site conditions.

0 30 60 120 Feet

DESIGNED BY	JAD
DATE	06-2018
DRAWN BY	CPS
DATE DRAWN	06-2018
SCALE	AS NOTED
DATE ISSUED	06-18-2018

day
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
BULL'S HEAD SUB-AREA NORTH
ROCHESTER, NEW YORK
ENVIRONMENTAL AND GEOPHYSICAL INVESTIGATION

Drawing Title
Site Plan with Completed Sample Locations

Project No.
5464S-18

FIGURE 3

Last Date Saved: 28 May 2019 Document Path: E:\GIS Mapping\Rocky\BullsHead\5464S-18\Rocky\Report\5464S-03-RPT-Sample Plan.mxd

Table 5

Bulls Head Sub Area North
Rochester, New York

Summary of Detected VOC Results in mg/Kg or Parts Per Million (ppm)

Soil and Fill Samples

Detected Constituent	CAS Number	A Unrestricted SCO (1)	B Residential SCO(1)	C Restricted Residential SCO(1)	D Commercial SCO(1)	G Protection of Groundwater SCO (1)	R1801334-003 TB-04 (2.5) 2/12/18 Fill	R1801334-004 TB-07 (5.5) 2/12/18 Fill	R1801334-005 TB-10 (15.0) 2/12/18 Fill	R1801334-005 TB-13 (8.0) 2/12/18 Soil	R1801334-005 TB-14 (7.0) 2/13/18 Fill	R1801334-008 TB-15 (7.0-7.5) 2/13/18 Soil	R1801334-010 TB-19 (10.0) 2/13/18 Soil	R1801334-011 TB-20 (3.0) 2/13/18 Soil
Acetone	67-64-1	0.05	100	100	500	0.05	0.038	0.068 AG	0.040	0.0023 J	U	0.024	0.0091	0.010
Benzene	71-43-2	0.06	2.9	4.8	44	0.06	0.0011 J	0.00032 J	0.00030 J	U	U	U	0.00045 J	0.0064
2-Butanone (MEK)	78-93-3	0.12	100	100	500	0.12	0.0052	0.010	0.012	U	U	U	0.0021 J	0.0018 J
n-Butylbenzene	104-51-8	12	100	100	500	12	0.0010 J	0.0024 J	U	U	7.5	U	U	U
sec-Butylbenzene	135-98-8	11	100	100	500	11	U	U	U	U	3.4	U	U	U
tert-Butylbenzene	98-06-6	5.9	100	100	500	5.9	U	U	U	U	0.760 J	U	U	U
Carbon Disulfide	75-15-0	NA	100	NA	NA	2.7	U	0.015	U	U	U	U	U	U
Cyclohexane	110-82-7	NA	NA	NA	NA	NA	0.020	U	U	U	1.300 J	U	0.0017 J	0.012
Ethylbenzene	100-41-4	1	30	41	390	1	0.0013 J	U	U	U	0.720 J	U	U	0.0018 J
Isopropylbenzene	98-82-8	NA	100	NA	NA	2.3	U	U	U	U	1.1 J	U	U	U
p-Isopropyltoluene	99-87-6	NA	NA	NA	NA	10	U	0.00099 J	U	U	3.7	U	U	U
Methylene chloride	75-09-2	0.05	51	100	500	0.05	0.00062 J	U	0.00061 J	U	U	U	U	0.00050 J
Methylcyclohexane	108-87-2	NA	NA	NA	NA	NA	0.0032 J	0.0017 J	U	U	5.2	U	0.0020 J	0.020
n-Propylbenzene	103-65-1	3.9	100	100	500	3.9	0.0011 J	U	U	U	2.4	U	U	U
Styrene	100-42-5	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	79-34-5	NA	35	NA	NA	0.6	0.0012 J	0.0011 J	U	U	U	U	U	U
Tetrachloroethene	127-18-4	1.3	5.5	19	150	1.3	U	U	U	U	U	U	U	U
Toluene	108-88-3	0.7	100	100	500	0.7	0.0023 J	U	U	U	U	U	0.0016 J	0.015
Trichloroethene	79-01-6	0.47	10	21	200	0.47	U	U	U	U	U	U	U	U
Trichlorofluoromethane (Freon 11)	75-69-4	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	3.6	0.0021 J	0.0082	U	U	27 AG	U	0.00066 J	0.0071
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	8.4	0.0012 J	0.0025 J	U	U	8.1	U	U	0.0035 J
m,p-Xylene	179601-23-1	0.26	100	100	500	1.6	0.0021 J	U	U	U	2.9 AG	U	0.0015 J	0.014
o-Xylene	95-47-6	0.26	100	100	500	1.6	0.00090 J	U	U	U	0.220 J	U	U	0.0042
Total VOCs		NA	NA	NA	NA	NA	0.08132	0.11021	0.05291	0.0023	64.300	0.024	0.01911	0.0963

(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006

Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.

A = Concentration Exceeds Unrestricted Use SCO

B = Concentration Exceeds Residential Use SCO

C = Concentration Exceeds Restricted Residential Use SCO

D = Concentration Exceeds Commercial Use SCO

G = Concentration Exceeds Protection of Groundwater SCO

B = Also detected in associated blank

J = Estimated Value

U = Not Detected

D = Data reported from a dilution

VOC = Volatile Organic Compound

NA = Not Available

Table 5

Bulls Head Sub Area North
Rochester, New York

Summary of Detected VOC Results in mg/Kg or Parts Per Million (ppm)

Soil and Fill Samples

Detected Constituent	CAS Number	A Unrestricted SCO (1)	B Residential SCO(1)	C Restricted Residential SCO(1)	D Commercial SCO(1)	G Protection of Groundwater SCO (1)	R1801334-012 TB-21 (5.0) 2/13/18 Soil	R1801334-013 TB-22 (12.0) 2/13/18 Soil	R1801453-008 TP-07 (4.0) 2/15/18 Fill	R1801453-009 TP-08 (5.5) 2/15/18 Fill	R1801453-011 TP-10 (5.0) 2/15/18 Fill	R1801453-012 TP-12 (5.0) 2/15/18 Fill	R1801453-019 TP-22 (4.0-5.0) 2/16/18 Fill	R1801818-001 MW-08 (6.0-8.0) 2/28/18 Soil
Acetone	67-64-1	0.05	100	100	500	0.05	0.0093	U	0.042 B	0.033 B	0.0043 BJ	0.022 B	0.034 B	U
Benzene	71-43-2	0.06	2.9	4.8	44	0.06	0.00058 J	U	U	0.0034 J	U	U	0.00057 J	0.890 **AG**
2-Butanone (MEK)	78-93-3	0.12	100	100	500	0.12	U	U	0.012	0.0071	U	U	0.0091	U
n-Butylbenzene	104-51-8	12	100	100	500	12	U	U	U	U	U	U	0.170	0.790 J
sec-Butylbenzene	135-98-8	11	100	100	500	11	U	U	U	U	U	U	0.150	0.390 J
tert-Butylbenzene	98-06-6	5.9	100	100	500	5.9	U	U	U	U	U	U	U	U
Carbon Disulfide	75-15-0	NA	100	NA	NA	2.7	U	U	U	0.0015 J	U	U	0.0021 J	U
Cyclohexane	110-82-7	NA	NA	NA	NA	NA	U	U	U	U	U	U	0.0026 J	0.450 J
Ethylbenzene	100-41-4	1	30	41	390	1	U	U	U	0.0030 J	U	0.00038 J	0.018	1.300 **AG**
Isopropylbenzene	98-82-8	NA	100	NA	NA	2.3	U	U	U	0.00067 J	U	U	0.063	0.320 J
p-Isopropyltoluene	99-87-6	NA	NA	NA	NA	10	U	U	U	U	U	U	0.780 D	U
Methylene chloride	75-09-2	0.05	51	100	500	0.05	U	U	U	0.00061 J	0.00074 J	U	U	U
Methylcyclohexane	108-87-2	NA	NA	NA	NA	NA	0.0014 J	U	U	U	U	U	0.023	1.800
n-Propylbenzene	103-65-1	3.9	100	100	500	3.9	U	U	U	U	U	U	0.084	1.300
Styrene	100-42-5	NA	NA	NA	NA	NA	U	U	U	0.0025 J	U	U	U	U
1,1,2,2-Tetrachloroethane	79-34-5	NA	35	NA	NA	0.6	U	U	U	U	U	U	U	U
Tetrachloroethene	127-18-4	1.3	5.5	19	150	1.3	0.00095 J	U	U	U	U	U	U	U
Toluene	108-88-3	0.7	100	100	500	0.7	0.0015 J	U	U	U	U	U	0.0029 J	2.600 **AG**
Trichloroethene	79-01-6	0.47	10	21	200	0.47	U	U	U	0.0012 J	U	U	U	U
Trichlorofluoromethane (Freon 11)	75-69-4	NA	NA	NA	NA	NA	U	U	U	0.00059 J	U	U	U	U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	3.6	0.00052 J	U	U	0.0013 J	U	0.0065	5.000 D **AG**	2.400
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	8.4	U	U	U	0.00063 J	U	0.0021 J	0.240 DJ	0.310 J
m,p-Xylene	179601-23-1	0.26	100	100	500	1.6	0.0011 J	U	U	0.0020 J	U	0.0018 J	0.023	4.900 **AG**
o-Xylene	95-47-6	0.26	100	100	500	1.6	U	U	U	0.0012 J	U	0.0010 J	0.020	0.790 J **A**
Total VOCs		NA	NA	NA	NA	NA	0.01535	0.000	0.054	0.05870	0.00504	0.03378	6.62227	18.240

(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006

Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.

A = Concentration Exceeds Unrestricted Use SCO

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C = Concentration Exceeds Restricted Residential Use SCO

D = Concentration Exceeds Commercial Use SCO

G = Concentration Exceeds Protection of Groundwater SCO

B = Also detected in associated blank

J = Estimated Value

U = Not Detected

D = Data reported from a dilution

VOC = Volatile Organic Compound

NA = Not Available

Table 6

Bulls Head Sub Area North
Rochester, New York

Summary of Detected SVOC Results in mg/Kg or Parts Per Million (ppm)

Soil and Fill Samples

Detected Constituent	CAS Number	A Unrestricted SCO (1)	B Residential SCO(1)	C Restricted Residential SCO(1)	D Commercial SCO(1)	G Protection of Groundwater SCO (1)	R1801334-001 TB-01 (3.0) 2/12/18 Fill	R1801334-002 TB-02 (8.0) 2/12/18 Fill	R1801334-003 TB-04 (2.5) 2/12/18 Fill	R1801334-007 TB-14 (7.0) 2/13/18 Fill	R1801334-009 TB-18 (10.0-11.0) 2/13/18 Soil	R1801334-014 TB-24 (2.5) 2/13/18 Fill	R1801453-001 TP-01 (3.0-4.0) 2/15/18 Fill	R1801453-002 TP-02 (4.0) 2/15/18 Fill
Acenaphthene	83-32-9	20	100	100	500	98	U	U	U	0.220 J	U	U	U	U
Acenaphthylene	208-96-8	100	100	100	500	107	U	U	U	U	U	U	U	U
Anthracene	120-12-7	100	100	100	500	1000	U	0.170 J	U	U J	U	U	U	U
Benzo(a)anthracene	56-55-3	1	1	1	5.6	1	0.086 J	0.450 J	U	U	U	0.093 J	0.680 J	0.280 J
Benzo(a)pyrene	50-32-8	1	1	1	1	22	0.091 J	0.400 J	U	U	U	0.100 J	0.770 J	0.290 J
Benzo(b)fluoranthene	205-99-2	1	1	1	5.6	1.7	0.120 J	0.480 J	0.160 J	U	U	0.170 J	1.100 J ABC	0.350 J
Benzo(g,h,i)perylene	191-24-2	100	100	100	500	1000	0.092 J	0.270 J	U	U	U	0.140 J	0.780 J	0.230 J
Benzo(k)fluoranthene	207-08-9	0.8	1.0	3.9	56	1.7	U	0.190 J	U	U	U	U	U	0.130 J
Biphenyl	92-52-4	NA	NA	NA	NA	NA	U	U	U	0.220 J	U	U	U	U
Butyl benzyl phthalate	85-68-7	NA	100	NA	NA	122	U	U	U	U	U	U	U	U
Carbazole	86-74-8	NA	NA	NA	NA	NA	U	0.150 J	U	U	U	U	U	U
Chrysene	218-01-9	1	1	3.9	56	1	0.100 J	0.490 J	U	U	U	0.110 J	0.920 J	0.320 J
Dibenzo(a,h) anthracene	53-70-3	0.33	0.33	0.33	0.56	1000	U	U	U	U	U	U	U	U
Dibenzofuran	132-64-9	7	14	59	350	210	U	U	U	U	U	U	U	U
Fluoranthene	206-44-0	100	100	100	500	1000	0.160 J	0.980	U	U	U	0.110 J	1.900	0.670
Fluorene	86-73-7	30	100	100	500	386	U	U	U	0.350 J	U	U	U	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	0.5	5.6	8.2	0.090 J	0.290 J	U	U	U	0.110 J	0.720 J ABC	0.230 J
2-Methylnaphthalene	91-57-6	NA	0.41	NA	NA	36.4	U	U	U	1.800 B	U	U	U	U
3 & 4-Methylphenol (m & p-Cresol)	108-39-4, 106-44-5	0.33	100	100	500	0.33	U	0.170 J	U	U	U	U	U	U
Naphthalene	91-20-3	12	100	100	500	12	U	U	U	0.250 J	U	U	U	U
Phenanthrene	85-01-8	100	100	100	500	1000	0.091 J	0.880	U	1.300	U	U	1.200 J	0.370 J
Pyrene	129-00-0	100	100	100	500	1000	0.150 J	0.800	U	U	U	0.098 J	1.600 J	0.560
Total SVOCs		NA	NA	NA	NA	NA	0.980	5.720	0.160	4.140	0.000	0.931	9.670	3.430

(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006

Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.

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C = Concentration Exceeds Restricted Residential Use SCO

D = Concentration Exceeds Commercial Use SCO

G = Concentration Exceeds Protection of Groundwater SCO

SVOC = Semi-Volatile Organic Compound

U = Not detected

J = Estimated Value

NA = Not Available

Table 6

Bulls Head Sub Area North
Rochester, New York

Summary of Detected SVOC Results in mg/Kg or Parts Per Million (ppm)

Soil and Fill Samples

Detected Constituent	CAS Number	A Unrestricted SCO (1)	B Residential SCO(1)	C Restricted Residential SCO(1)	D Commercial SCO(1)	G Protection of Groundwater SCO (1)	R1801453-003 TP-02 (10.0) 2/15/18 Soil	R1801453-005 TP-05 (6.0) 2/15/18 Fill	R1801453-006 TP-06 (5.5) 2/15/18 Fill	R1801453-007 TP-06 (9.0) 2/15/18 Soil	R1801453-008 TP-07 (4.0) 2/15/18 Fill	R1801453-009 TP-08 (5.5) 2/15/18 Fill	R1801453-010 TP-09 (7.0) 2/15/18 Fill	R1801453-011 TP-10 (5.0) 2/15/18 Fill
Acenaphthene	83-32-9	20	100	100	500	98	U	U	U	U	0.2200 J	0.960 J	U	U
Acenaphthylene	208-96-8	100	100	100	500	107	U	U	U	U	U	U	U	U
Anthracene	120-12-7	100	100	100	500	1000	U	U	U	U	0.680	3.200	0.400 J	U
Benzo(a)anthracene	56-55-3	1	1	1	5.6	1	U	U	0.097 J	U	1.700 **ABCG**	4.400 **ABCG**	0.930	0.590 J
Benzo(a)pyrene	50-32-8	1	1	1	1	22	U	U	0.130 J	U	1.400 **ABCD**	3.700 **ABCD**	1.000	0.660 J
Benzo(b)fluoranthene	205-99-2	1	1	1	5.6	1.7	U	U	0.170 J	U	1.800 **ABCG**	4.400 **ABCG**	1.200 **ABC**	0.780 J
Benzo(g,h,i)perylene	191-24-2	100	100	100	500	1000	U	U	0.110 J	U	0.710	2.300	0.540 J	0.480 J
Benzo(k)fluoranthene	207-08-9	0.8	1.0	3.9	56	1.7	U	U	U	U	0.700	1.700 **AB**	0.450 J	U
Biphenyl	92-52-4	NA	NA	NA	NA	NA	U	U	U	U	U	U	U	U
Butyl benzyl phthalate	85-68-7	NA	100	NA	NA	122	U	U	U	U	U	U	U	U
Carbazole	86-74-8	NA	NA	NA	NA	NA	U	U	U	U	0.300 J	1.700	U	U
Chrysene	218-01-9	1	1	3.9	56	1	U	U	0.120 J	U	1.700 **ABG**	4.200 **ABCG**	0.960	0.630 J
Dibenzo(a,h) anthracene	53-70-3	0.33	0.33	0.33	0.56	1000	U	U	U	U	0.200 J	0.580 J **ABCD**	U	U
Dibenzofuran	132-64-9	7	14	59	350	210	U	U	U	U	0.120 J	1.300	U	U
Fluoranthene	206-44-0	100	100	100	500	1000	U	U	0.140 J	U	4.100	12.000	1.600	1.100 J
Fluorene	86-73-7	30	100	100	500	386	U	U	U	U	0.200 J	1.400	U	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	0.5	5.6	8.2	U	U	0.092 J	U	0.860 **ABC**	2.500 **ABC**	0.590 J **ABC**	0.460 J
2-Methylnaphthalene	91-57-6	NA	0.41	NA	NA	36.4	U	U	U	U	U	0.500 J **B**	U	U
3 & 4-Methylphenol (m & p-Cresol)	108-39-4, 106-44-5	0.33	100	100	500	0.33	U	U	U	U	U	U	U	U
Naphthalene	91-20-3	12	100	100	500	12	U	U	U	U	U	1.400	U	U
Phenanthrene	85-01-8	100	100	100	500	1000	U	U	U	U	2.800	12.000	1.500	0.570 J
Pyrene	129-00-0	100	100	100	500	1000	U	U	0.130 J	U	3.200	9.400	1.600	0.990 J
Total SVOCs		NA	NA	NA	NA	NA	0.000	0.000	0.9890	0.000	20.690	67.640	10.770	6.260

(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006

Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.

A = Concentration Exceeds Unrestricted Use SCO

B = Concentration Exceeds Residential Use SCO

C = Concentration Exceeds Restricted Residential Use SCO

D = Concentration Exceeds Commercial Use SCO

G = Concentration Exceeds Protection of Groundwater SCO

SVOC = Semi-Volatile Organic Compound

U = Not detected

J = Estimated Value

NA = Not Available

Table 6

Bulls Head Sub Area North
Rochester, New York

Summary of Detected SVOC Results in mg/Kg or Parts Per Million (ppm)

Soil and Fill Samples

Detected Constituent	CAS Number	A Unrestricted SCO (1)	B Residential SCO(1)	C Restricted Residential SCO(1)	D Commercial SCO(1)	G Protection of Groundwater SCO (1)	R1801453-012 TP-12 (5.0) 2/15/18 Fill		R1801453-013 TP-13 (1.0-2.0) 2/16/18 Fill		R1801453-014 TP-13 (7.0) 2/16/18 Soil		R1801453-015 TP-14 (3.5) 2/16/18 Fill		R1801804-005 TP-14 (8.5) 2/16/18 Soil		R1801453-016 TP-17 (4.0) 2/16/18 Fill		R1801453-017 TP-19 (3.0-4.0) 2/16/18 Fill		R1801453-018 TP-20 (9.0) 2/16/18 Fill	
Acenaphthene	83-32-9	20	100	100	500	98	U		U		U		U		U		U		U		U	
Acenaphthylene	208-96-8	100	100	100	500	107	0.280 J		U		U		U		U		0.130 J		U		0.760 J	
Anthracene	120-12-7	100	100	100	500	1000	0.630 J		U		U		0.290 J		U		0.370 J		U		2.300	
Benzo(a)anthracene	56-55-3	1	1	1	5.6	1	3.500	ABCG	U		U		1.000		U		0.950		0.490 J		4.000	ABCG
Benzo(a)pyrene	50-32-8	1	1	1	1	22	2.900	ABCD	U		U		1.400	ABCD	U		0.920		0.590 J		3.500	ABCD
Benzo(b)fluoranthene	205-99-2	1	1	1	5.6	1.7	3.500	ABCG	U		U		1.700	ABC	U		1.200	ABC	0.740 J		3.600	ABCG
Benzo(g,h,i)perylene	191-24-2	100	100	100	500	1000	1.400		U		U		1.000		U		0.480		U		1.700	
Benzo(k)fluoranthene	207-08-9	0.8	1.0	3.9	56	1.7	1.300	AB	U		U		0.590		U		0.500		U		1.500	AB
Biphenyl	92-52-4	NA	NA	NA	NA	NA	U		U		U		U		U		U		U		U	
Butyl benzyl phthalate	85-68-7	NA	100	NA	NA	122	U		U		U		U		U		0.470		U		U	
Carbazole	86-74-8	NA	NA	NA	NA	NA	U		U		U		U		U		0.140 J		U		0.460 J	
Chrysene	218-01-9	1	1	3.9	56	1	3.400	ABG	U		U		1.100	ABG	U		0.980		0.480 J		3.500	ABG
Dibenzo(a,h) anthracene	53-70-3	0.33	0.33	0.33	0.56	1000	0.430 J	ABC	U		U		0.220 J		U		0.130 J		U		0.530 J	ABC
Dibenzofuran	132-64-9	7	14	59	350	210	U		U		U		0.130 J		U		U		U		0.500 J	
Fluoranthene	206-44-0	100	100	100	500	1000	5.200		U		U		1.700		U		1.900		0.790 J		8.700	
Fluorene	86-73-7	30	100	100	500	386	U		U		U		U		U		0.110 J		U		0.930	
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	0.5	5.6	8.2	1.700	ABC	U		U		1.100	ABC	U		0.570	ABC	U		2.300	ABC
2-Methylnaphthalene	91-57-6	NA	0.41	NA	NA	36.4	U		U		U		U		U		U		U		U	
3 & 4-Methylphenol (m & p-Cresol)	108-39-4, 106-44-5	0.33	100	100	500	0.33	U		U		U		U		U		U		U		U	
Naphthalene	91-20-3	12	100	100	500	12	U		U		U		0.120 J		U		U		U		U	
Phenanthrene	85-01-8	100	100	100	500	1000	2.000		U		U		1.100		U		1.200		U		7.700	
Pyrene	129-00-0	100	100	100	500	1000	5.000		U		U		1.600		U		1.600		0.730 J		7.000	
Total SVOCs		NA	NA	NA	NA	NA	31.240		0.000		0.000		13.050		0.000		11.650		3.820		48.980	

(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006

Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.

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SVOC = Semi-Volatile Organic Compound

U = Not detected

J = Estimated Value

NA = Not Available

Table 6

Bulls Head Sub Area North
Rochester, New York

Summary of Detected SVOC Results in mg/Kg or Parts Per Million (ppm)

Soil and Fill Samples

Detected Constituent	CAS Number	A Unrestricted SCO (1)	B Residential SCO(1)	C Restricted Residential SCO(1)	D Commercial SCO(1)	G Protection of Groundwater SCO (1)	R1801453-019 TP-22 (4.0-5.0) 2/16/18 Fill		R1803614-001 TP-24 (4.0) 4/20/18 Fill		R1803614-002 TP-25 (5.0) 4/20/18 Fill	
Acenaphthene	83-32-9	20	100	100	500	98	2.700		U		U	
Acenaphthylene	208-96-8	100	100	100	500	107	U		U		U	
Anthracene	120-12-7	100	100	100	500	1000	3.800		0.110 J		U	
Benzo(a)anthracene	56-55-3	1	1	1	5.6	1	7.800	**ABCDG**	0.320 J		U	
Benzo(a)pyrene	50-32-8	1	1	1	1	22	8.600	**ABCD**	0.330 J		U	
Benzo(b)fluoranthene	205-99-2	1	1	1	5.6	1.7	9.800	**ABCDG**	0.420		U	
Benzo(g,h,i)perylene	191-24-2	100	100	100	500	1000	5.500		0.230 J		U	
Benzo(k)fluoranthene	207-08-9	0.8	1.0	3.9	56	1.7	3.700	**ABG**	0.140 J		U	
Biphenyl	92-52-4	NA	NA	NA	NA	NA	U		U		U	
Butyl benzyl phthalate	85-68-7	NA	100	NA	NA	122	U		U		U	
Carbazole	86-74-8	NA	NA	NA	NA	NA	2.000 J		U		U	
Chrysene	218-01-9	1	1	3.9	56	1	7.600	**ABCG**	0.330 J		U	
Dibenzo(a,h) anthracene	53-70-3	0.33	0.33	0.33	0.56	1000	1.500 J	**ABCD**	U		U	
Dibenzofuran	132-64-9	7	14	59	350	210	1.900 J		U		U	
Fluoranthene	206-44-0	100	100	100	500	1000	14.000		0.660		U	
Fluorene	86-73-7	30	100	100	500	386	4.500		U		U	
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	0.5	5.6	8.2	6.100	**ABCD**	0.220 J		U	
2-Methylnaphthalene	91-57-6	NA	0.41	NA	NA	36.4	5.500	**B**	U		U	
3 & 4-Methylphenol (m & p-Cresol)	108-39-4, 106-44-5	0.33	100	100	500	0.33	U		U		U	
Naphthalene	91-20-3	12	100	100	500	12	2.700		U		U	
Phenanthrene	85-01-8	100	100	100	500	1000	20.000		0.410		U	
Pyrene	129-00-0	100	100	100	500	1000	12.000		0.600		U	
Total SVOCs		NA	NA	NA	NA	NA	119.700		3.770		0.000	

(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006

Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.

A = Concentration Exceeds Unrestricted Use SCO

B = Concentration Exceeds Residential Use SCO

C = Concentration Exceeds Restricted Residential Use SCO

D = Concentration Exceeds Commercial Use SCO

G = Concentration Exceeds Protection of Groundwater SCO

SVOC = Semi-Volatile Organic Compound

U = Not detected

J = Estimated Value

NA = Not Available

Table 11

Bulls Head High Priority Sub Area North
Rochester, New York

Summary of Detected Constituents Results in ug/l or Parts per Billion (ppb)

Groundwater Samples

Detected Constituent	CAS Number	Groundwater Standard or Guidance Value [1]	R1802137-001 MW-01 3/9/18 Groundwater	R1803412-001 MW-01 4/16/18 Groundwater	R1802137-002 MW-02 3/9/18 Groundwater	R1803412-002 MW-02 4/16/18 Groundwater	R1802137-003 MW-03 3/9/18 Groundwater	R1803412-003 MW-03 4/16/18 Groundwater	R1802137-004 MW-04 3/9/18 Groundwater	R1803412-004 MW-04 4/16/18 Groundwater
Volatile Organic Compounds										
Acetone	67-64-1	50	U	2.0 JB	U	1.4 JB	U	U	U	1.7 JB
tert-Butylbenzene	98-06-6	5	U	U	U	U	U	U	U	U
Carbon Disulfide	75-15-0	60	U	U	U	U	U	U	U	U
Chloroform	67-66-3	7	U	U	U	U	U	U	U	U
1,1-Dichloroethane	75-34-3	5	U	U	U	U	U	U	U	0.34 J
Cyclohexane	110-82-7	NA	U	U	U	U	U	U	U	U
Methylcyclohexane	108-87-2	NA	U	U	U	U	U	U	U	U
Total VOCs		NA	0.0	2.0	0.0	1.4	0.0	0.0	0.0	2.04
Total TICs		NA	NT	0.0	NT	12.2 JN	NT	0.0	NT	0.0
Total VOCs and TICs		NA	0.0	2.0	0.0	13.6	0.0	0.0	0.0	2.04
Semi-Volatile Organic Compounds										
Naphthalene	91-20-3	10	NT	NT	10	NT	NT	NT	NT	NT
Total SVOCs		NA	NT	NT	10.00	NT	NT	NT	NT	NT
Metals										
Barium	7440-39-3	1,000	NT	NT	138	NT	NT	NT	NT	NT

U = Not detected

VOC = Volatile Organic Compound

SVOC = Semi-Volatile Organic Compound

NA = Not available

NT = Not tested

[1] Groundwater standard or guidance value are as referenced in NYSDEC TOGS 1.1.1 dated June 1998 with April 2000 and June 2004 addendums.

X = Concentration exceeds groundwater standard or guidance value

J = Estimated Value

B= Constituent was also detected in the associated trip blank, which may have contributed to the sample result.

N = Indicates presumptive evidence of a compound

Bulls Head High Priority Sub Area North
Rochester, New York

Summary of Detected Constituents Results in ug/l or Parts per Billion (ppb)

Groundwater Samples

Detected Constituent	CAS Number	Groundwater Standard or Guidance Value [1]	R1802137-005 MW-05 3/9/18 Groundwater	R1803412-005 MW-05 4/16/18 Groundwater	R1802137-006 MW-06 3/9/18 Groundwater	R1803412-006 MW-06 4/16/18 Groundwater	R1802137-007 MW-07 3/9/18 Groundwater	R1803412-007 MW-07 4/16/18 Groundwater	R1802137-001 MW-08 3/9/18 Groundwater	R1803412-008 MW-08 4/16/18 Groundwater
Volatile Organic Compounds										
Acetone	67-64-1	50	U	U	U	U	U	3.6 JB	U	2.9 JB
tert-Butylbenzene	98-06-6	5	U	U	U	U	U	0.25 J	U	U
Carbon Disulfide	75-15-0	60	U	U	U	U	U	U	U	0.45 J
Chloroform	67-66-3	7	U	0.49	U	U	U	U	U	U
1,1-Dichloroethane	75-34-3	5	U	U	U	U	U	U	U	U
Cyclohexane	110-82-7	NA	U	U	U	U	U	0.56 J	U	U
Methylcyclohexane	108-87-2	NA	U	U	U	U	U	U	U	0.29 J
Total VOCs		NA	0.0	0.49	0.0	0.0	0.0	4.41	0.0	3.6
Total TICs		NA	NT	0.0	NT	0.0	NT	0.0	NT	5.0 J
Total VOCs and TICs		NA	0.0	0.5	0.0	0.0	0.0	4.4	0.0	8.6
Semi-Volatile Organic Compounds										
Naphthalene	91-20-3	10	NT	NT	NT	NT	NT	NT	U	NT
Total SVOCs		NA	NT	NT	NT	NT	NT	NT	U	NT
Metals										
Barium	7440-39-3	1,000	NT	NT	NT	NT	NT	NT	78	NT

U = Not detected

VOC = Volatile Organic Compound

SVOC = Semi-Volatile Organic Compound

NA = Not available

NT = Not tested

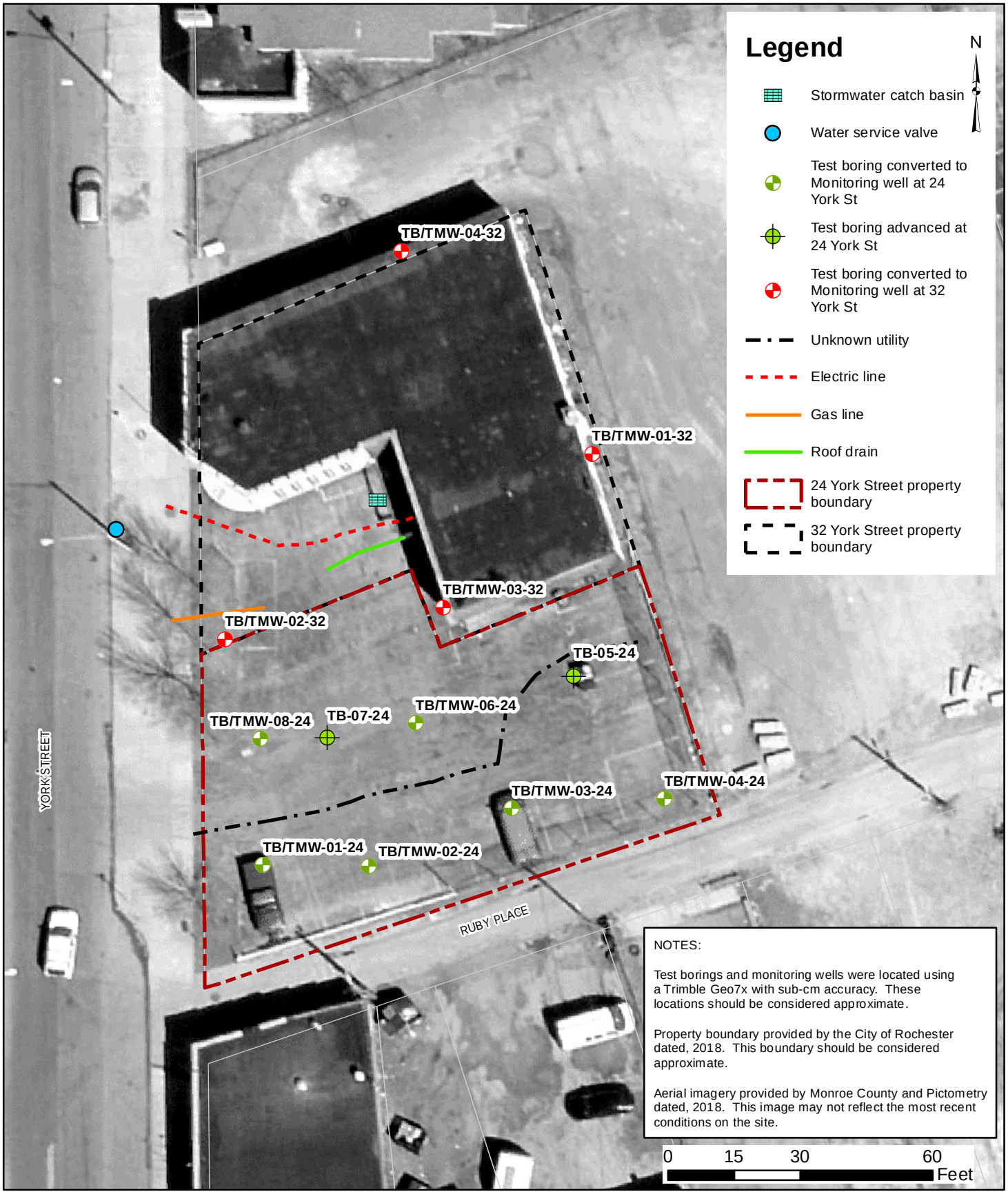
[1] Groundwater standard or guidance value are as referenced in NYSDEC TOGS 1.1.1 dated June 1998 with April 2000 and June 2004 addendums.

X = Concentration exceeds groundwater standard or guidance value

Results of Data Usability Report have been incorporated

B= Constituent was also detected in the associated trip blank, which may have contributed to the sample result.

N = Indicates presumptive evidence of a compound



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Date: 06-11-2019 Drawn By: CPS Scale: AS NOTED	day **DAY ENVIRONMENTAL, INC.** **Environmental Consultants** **Rochester, New York 14606** **New York, New York 10170**	Project Title: 24 YORK STREET AND 32 YORK STREET ROCHESTER, NEW YORK PRELIMINARY PHASE II ENVIRONMENTAL SITE ASSESSMENT Drawing Title: Site Plan with Test Locations	Project No.: 5597S-19 & 5598S-19 FIGURE 2

Table 1

24 York Street
Rochester, New York

Summary of Detected VOC Results in mg/Kg or Parts per Million (ppm)

Soil/Fill Samples

Detected Constituent	A Unrestricted SCO (1)	B Restricted Residential SCO(1)	C Commercial SCO(1)	D CP-51 SCL (2)	R1903954-002 TB-02-24(6-7) 4/30/2019 Fill		R1903954-005 TB-03-24(7-8) 4/30/2019 Fill		R1903954-007 TB-06-24(7-8) 4/30/2019 Fill		R1903954-009 TB-07-24(7-8) 4/30/2019 Fill		R1903954-011 TB-08-24(8-9) 4/30/2019 Soil	
Acetone	0.05	100	500	NA	U		**0.640**	**A**	U		**0.250** E	**A**	U	
Benzene	0.06	4.8	44	0.06	**0.092** J	**AD**	**0.089** J	**AD**	0.026 J		0.042		U	
2-Butanone (MEK)	0.12	100	500	NA	U		U		U		0.029		U	
n-Butylbenzene	12	100	500	12	U		0.059 J		U		0.110		**36.0**	**AD**
sec-Butylbenzene	11	100	500	11	0.290 J		0.058 J		0.076 J		0.086		10.0	
tert-Butylbenzene	5.9	100	500	5.9	0.034 J		U		U		0.021 DJ		0.93 J	
Carbon Disulfide	NA	NA	NA	NA	0.043 J		0.040 J		0.038 J		0.0014 J		U	
Chloroethane	NA	NA	NA	NA	U		U		U		U		0.98 J	
Cyclohexane	NA	NA	NA	NA	0.330 J		0.710		0.150 J		1.500 D		29.0	
1,2-Dichlorobenzene	1.1	100	500	NA	U		U		U		0.0034 J		U	
1,4-Dichlorobenzene	1.8	13	130	NA	U		U		U		0.0005 J		U	
Ethylbenzene	1	41	390	1	0.190 J		U		0.038 J		**1.300** D	**AD**	**4.5** J	**AD**
Isopropylbenzene	NA	NA	NA	2.3	0.120 J		0.039 J		0.058 J		0.540 D		**17.0**	**D**
p-Isopropyltoluene	NA	NA	NA	10	0.420 J		0.049 J		U		0.076		0.82 J	
Methyl Acetate	NA	NA	NA	NA	1.500 U		4.400		1.600		0.057		4.5 J	
Methylcyclohexane	NA	NA	NA	NA	U		0.980		0.950		2.800 D		100.0	
Naphthalene	12	100	500	12	0.200 J		0.160 BJ		0.089 BJ		0.068		**49.0**	**AD**
n-Propylbenzene	3.9	100	500	3.9	0.440 J		U		0.096 J		2.600 D		**76.0**	**AD**
Toluene	0.7	100	500	0.7	0.130 J		0.042 J		0.060 J		0.005		U	
1,2,4-Trimethylbenzene	3.6	52	190	3.6	0.390 J		0.140 J		0.091 J		**11.000** D	**AD**	1.2 J	
1,3,5-Trimethylbenzene	8.4	52	190	8.4	U		0.100 J		0.023 J		0.029		U	
m,p-Xylene	0.26	100	500	0.26	**0.390** J	**AD**	U		0.110 J		**3.200** D	**AD**	U	
o-Xylene	0.26	100	500	0.26	0.045 J		0.041 J		0.030 J		0.020		U	
Total VOCs	NA	NA	NA	NA	4.614		7.547		3.435		23.7383		329.93	

U = Not detected above laboratory method detection limit
J = Estimated Value
D = Data reported from a dilution
B = Constituent also detected in method blank
VOC = Volatile Organic Compound
NA = Not available
(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006 and CP-51 dated 10/21/2010
(2) = Soil Cleanup Level (SCL) referenced in CP-51 dated 10/21/2010
Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.
A = Concentration Exceeds Unrestricted Use SCO
B = Concentration Exceeds Restricted Residential Use SCO
C = Concentration Exceeds Commercial Use SCO
D = Concentration Exceeds SCL

Table 2

24 York Street
Rochester, New York

Summary of Detected SVOC Results in mg/Kg or Parts Per Million (ppm)

Soil/Fill Samples

Detected Constituent	A Unrestricted SCO (1)	B Restricted Residential SCO(1)	C Commercial SCO(1)	D CP-51 SCL (2)	R1903954-001 TB-01-24(1-3) 4/30/2019 Fill		R1903954-004 TB-02-24(7-8) 4/30/2019 Fill		R1903954-006 TB-05-24(1-4) 4/30/2019 Fill		R1903954-008 TB-06-24(4-5) 4/30/2019 Fill		R1903954-010 TB-07-24(2-4) 4/30/2019 Fill	
Acenaphthene	20	100	500	20	0.094 J		U		U		U		U	
Acenaphthylene	100	100	500	100	0.430		U		U		U		U	
Anthracene	100	100	500	100	0.370 J		U		U		0.240 J		0.310 J	
Benzo(a)anthracene	1	1	5.6	1	**2.000**	**ABC**	0.130 J		0.120 J		0.770 J		0.720 J	
Benzo(a)pyrene	1	1	1	1	**2.700**	**ABCD**	0.100 J		0.180 J		**1.100**	**ABCD**	0.680 J	
Benzo(b)fluoranthene	1	1	5.6	1	**2.600**	**ABD**	0.140 J		0.180 J		0.990 J		0.700 J	
Benzo(g,h,i)perylene	100	100	500	100	1.700		U		0.220 J		0.800 J		0.470 J	
Benzo(k)fluoranthene	0.8	3.9	56	0.8	**1.000**	**AD**	U		U		0.320 J		U	
Carbazole	NA	NA	NA	NA	0.110 J		U		U		U		U	
Chrysene	1	3.9	56	1	**2.000**	**AD**	0.170 J		0.140 J		0.870 J		0.720 J	
Dibenzo(a,h) anthracene	0.33	0.33	0.56	0.33	**0.400**	**ABD**	U		U		U		U	
Fluoranthene	100	100	500	100	2.800		0.540		0.190 J		1.100		1.600	
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	0.5	**1.600**	**ABD**	U		0.160 J		**0.590** J	**ABD**	0.370 J	
2-Methylnaphthalene	NA	NA	NA	NA	U		0.260 J		U		U		U	
Naphthalene	12	100	500	12	0.089 J		0.160 J		U		U		U	
Phenanthrene	100	100	500	100	1.200		0.340 J		U		0.840 J		1.300	
Pyrene	100	100	500	100	2.800		0.420		0.260 J		1.500		1.800	
Total SVOCs	NA	NA	NA	NA	21.893		2.260		1.450		9.120		8.670	

Notes:
U = Not detected above laboratory method detection limit
J = Estimated Value
SVOC = Semi-Volatile Organic Compound
NA = Not available
(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006 and CP-51 dated 10/21/2010
(2) = Soil Cleanup Level (SCL) referenced in CP-51 dated 10/21/2010
Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.
A = Concentration Exceeds Unrestricted Use SCO
B = Concentration Exceeds Restricted Residential Use SCO
C = Concentration Exceeds Commercial Use SCO
D = Concentration Exceeds SCL

Table 4

24 York Street
Rochester, New York

Summary of Detected VOC Results in ug/l or Parts per Billion (ppb)

Groundwater Samples

Detected Constituent	Groundwater Standard or Guidance Value [1]	R1903954-012 TMW-01-24 5/1/2019 Groundwater		R1903954-013 TMW-02-24 5/1/2019 Groundwater		R1903954-014 TMW-04-24 5/1/2019 Groundwater		R1903954-015 TMW-06-24 5/1/2019 Groundwater		R1903954-016 TMW-08-24 5/1/2019 Groundwater	
Acetone	50	2.8 J		11 J		U		3.8 J		**60**	**X**
Benzene	1	U		**1.2** J	**X**	U		**1.4** J	**X**	**1.6** J	**X**
2-Butanone (MEK)	50	U		2.8 J		U		U		18 J	
n-Butylbenzene	5	U		**13**	**X**	U		0.92 J		**81**	**X**
sec-Butylbenzene	5	0.33 J		**6.7** J	**X**	U		2.0 J		**27**	**X**
tert-Butylbenzene	5	0.73 J		1.9 J		U		0.48 J		3.6 J	
Ethylbenzene	5	U		1.4 J		U		0.55 J		**67**	**X**
2-Hexanone (MBK)	50	U		U		U		U		2.9 J	
Isopropylbenzene	5	U		**25**	**X**	U		2.5 J		**130**	**X**
p-Isopropyltoluene	5	U		1.6 J		U		U		2.6 J	
4-Methyl-2-pentanone (MIBK)	NA	U		U		U		U		1.8 J	
Naphthalene	10	U		**56**	**X**	U		U		**650**	**X**
n-Propylbenzene	5	U		**46**	**X**	U		4.9 J		**440**	**X**
Toluene	5	U		0.75 J		U		0.48 J		1.2 J	
1,2,4-Trimethylbenzene	5	U		1.5 J		U		1.7 J		**12** J	**X**
m,p-Xylene	5	U		1.1 J		U		1.2 J		3.6 J	
o-Xylene	5	U		0.73 J		U		0.39 J		1.3 J	
Cyclohexane	NA	U		61		U		2.3 J		72	
Methylcyclohexane	NA	U		180		U		5.1 J		240	
Total VOCs	NA	3.86		411.68		0.0		27.72		1815.6	

U = Not detected above laboratory method detection limit

J = Estimated Value

[1] Groundwater standard or guidance value are as referenced in NYSDEC TOGS 1.1.1 dated June 1998 with April 2000 and June 2004 addendums.

X = Concentration exceeds groundwater standard or guidance value

VOC = Volatile Organic Compound

NA = Not available

Table 1

32 York Street
Rochester, New York

Summary of Detected VOC Results in mg/Kg or Parts per Million (ppm)

Soil/Fill Samples

Detected Constituent	A Unrestricted SCO (1)	B Restricted Residential SCO(1)	C Commercial SCO(1)	D CP-51 SCL (2)	R1903959-001 TB-01-32(1-2) 4/30/2019 Fill		R1903959-004 TB-02-32(2-3) 4/30/2019 Fill		R1903959-007 TB-03-32(7-8) 4/30/2019 Soil		R1903959-009 TB-04-32(1-4) 4/30/2019 Fill	
Acetone	0.05	100	500	NA	**0.054**	**A**	**0.076**	**A**	U		0.016	
Benzene	0.06	4.8	44	0.06	U		0.0002	J	U		U	
2-Butanone (MEK)	0.12	100	500	NA	0.0023	J	0.0028	J	U		U	
n-Butylbenzene	12	100	500	12	U		U		0.950		U	
sec-Butylbenzene	11	100	500	11	U		U		0.370	J	U	
tert-Butylbenzene	5.9	100	500	5.9	U		U		0.051	J	U	
Chloroethane	NA	NA	NA	NA	U		U		0.032	J	U	
Cyclohexane	NA	NA	NA	NA	U		U		8.100		0.00028	J
2-Hexanone (MBK)	NA	NA	NA	NA	U		0.0016	J	U		U	
Isopropylbenzene	NA	NA	NA	2.3	U		U		0.240	J	U	
p-Isopropyltoluene	NA	NA	NA	10	U		U		0.130	J	U	
Methyl Acetate	NA	NA	NA	NA	0.0011	J	0.011		1.600	D	U	
Methyl tert-butyl Ether	NA	NA	NA	0.93	U		0.00025	J	U		U	
Methylcyclohexane	NA	NA	NA	NA	0.00036	J	0.00056	J	15.000	D	0.00047	J
Naphthalene	12	100	500	12	0.00099	BJ	0.00067	BJ	0.260	DJ	U	
n-Propylbenzene	3.9	100	500	3.9	U		U		0.740		U	
Toluene	0.7	100	500	0.7	0.0003	J	0.00024	J	U		0.00017	J
1,2,4-Trichlorobenzene	NA	NA	NA	NA	0.00047	BJ	U		U		U	
Trichloroethene	0.47	21	200	NA	U		U		0.035	J	U	
Trichlorofluoromethane (Freon 11)	NA	NA	NA	NA	U		U		U		0.00032	J
1,2,4-Trimethylbenzene	3.6	52	190	3.6	0.00023	J	U		0.039	J	U	
Total VOCs	NA	NA	NA	NA	0.05975		0.09332		27.547		0.01724	

U = Not detected
J = Estimated Value
D = Data reported from a dilution
B = Constituent also detected in method blank
VOC = Volatile Organic Compound
NA = Not available
(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006 and CP-51 dated 10/21/2010
(2) = Soil Cleanup Level (SCL) referenced in CP-51 dated 10/21/2010
Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.
A = Concentration Exceeds Unrestricted Use SCO
B = Concentration Exceeds Restricted Residential Use SCO
C = Concentration Exceeds Commercial Use SCO
D = Concentration Exceeds SCL

Table 2

32 York Street
Rochester, New York

Summary of Detected SVOC Results in mg/Kg or Parts Per Million (ppm)

Soil/Fill Samples

Detected Constituent	A Unrestricted SCO (1)	B Restricted Residential SCO(1)	C Commercial SCO(1)	D CP-51 SCL (2)	R1903959-002 TB-01-32(2-3) 4/30/2019 Fill	R1903959-006 TB-02-32(4-5) 4/30/2019 Soil/Fill	R1903959-008 TB-03-32(5-7) 4/30/2019 Soil	R190395-010 TB-04-32(4-5) 4/30/2019 Soil
Acenaphthylene	100	100	500	100	0.096 J	U	U	U
Anthracene	100	100	500	100	0.190 J	U	U	U
Benzo(a)anthracene	1	1	5.6	1	0.630	U	U	U
Benzo(a)pyrene	1	1	1	1	0.580	U	U	U
Benzo(b)fluoranthene	1	1	5.6	1	0.730	U	0.083 J	U
Benzo(g,h,i)perylene	100	100	500	100	0.420 J	U	U	U
Benzo(k)fluoranthene	0.8	3.9	56	0.8	0.280 J	U	U	U
Chrysene	1	3.9	56	1	0.610	U	U	U
Dibenzo(a,h) anthracene	0.33	0.33	0.56	0.33	0.082 J	U	U	U
Fluoranthene	100	100	500	100	1.300	U	0.095 J	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	0.5	0.390 J	U	U	U
Phenanthrene	100	100	500	100	0.700	U	U	U
Pyrene	100	100	500	100	1.100	U	0.091 J	U
Total SVOCs	NA	NA	NA	NA	7.108	0.000	0.269	0.000

U = Not detected above laboratory method detection limit
J = Estimated Value
SVOC = Semi-Volatile Organic Compound
NA = Not available
(1) = Soil Cleanup Objective (SCO) referenced in 6 NYCRR Part 375 dated 12/14/2006 and CP-51 dated 10/21/2010
(2) = Soil Cleanup Level (SCL) referenced in CP-51 dated 10/21/2010
Concentration in **BOLD** and **RED** print exceeds one or more of the following criteria.
A = Concentration Exceeds Unrestricted Use SCO
B = Concentration Exceeds Restricted Residential Use SCO
C = Concentration Exceeds Commercial Use SCO
D = Concentration Exceeds SCL

Table 4

32 York Street
Rochester, New York

Summary of Detected VOC Results in ug/l or Parts per Billion (ppb)

Groundwater Samples

Detected Constituent	Groundwater Standard or Guidance Value [1]	R1903959-011 TMW-01-32 5/1/2019 Groundwater		R1903959-012 TMW-02-32 5/1/2019 Groundwater		R1903959-013 TMW-03-32 5/1/2019 Groundwater			R1903959-014 TMW-04-32 5/1/2019 Groundwater	
Acetone	50	2.5	J	U		220		X	8.7	J
Bromodichloromethane	50	U		U		U			2.2	J
2-Butanone (MEK)	50	U		U		78		X	U	
n-Butylbenzene	5	U		U		16		X	U	
sec-Butylbenzene	5	U		U		9.2	J	X	U	
tert-Butylbenzene	5	U		U		2.0	J		U	
Chloroethane	5	U		U		1.9	J		U	
Chloroform	7	U		U		U			5.7	
Chloromethane	5	U		U		1.2	J		U	
Dibromochloromethane	50	U		U		U			0.78	J
Ethylbenzene	5	U		U		2.1	J		U	
2-Hexanone (MBK)	50	U		U		12	J		U	
Isopropylbenzene	5	U		U		15		X	U	
p-Isopropyltoluene	5	U		U		3.6	J		U	
4-Methyl-2-pentanone (MIBK)	NA	U		U		7.0	J		U	
Naphthalene	10	U		U		28		X	U	
n-Propylbenzene	5	U		U		39		X	U	
Tetrachloroethene	5	0.33	J	U		U			U	
Toluene	5	U		0.36	J	0.55	J		0.22	J
1,2,4-Trimethylbenzene	5	U		0.25	J	0.85	J		U	
m,p-Xylene	5	U		0.42	J	0.85	J		U	
Cyclohexane	NA	U		U		62			U	
Methylcyclohexane	NA	0.37	J	0.45	J	210			U	
Total VOCs	NA	3.2		1.48		709.25			17.60	

U = Not detected

J = Estimated Value

[1] Groundwater standard or guidance value are as referenced in NYSDEC TOGS 1.1.1 dated June 1998 with April 2000 and June 2004 addendums.

X = Concentration exceeds groundwater standard or guidance value

VOC = Volatile Organic Compound

NA = Not available