SUB-SLAB DEPRESSURIZATION SYSTEM DESIGN DOCUMENT

200 East Main Street
Mount Kisco, Westchester County, New York 10549

BROWNFIELD CLEANUP PROGRAM (BCP)
SITE NUMBER C360183

Prepared by: Bellucci Engineering, PLLC
27 Belcrest Road, West Hartford, CT 06107

May 31, 2022

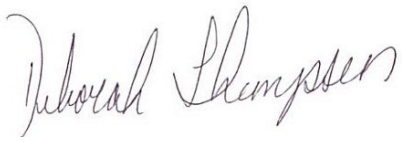
Mr. Mark Domaracki
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7014

RE: *Sub-Slab Depressurization System Design Document – Unit #s 2, 3 & 4*
200 East Main Street
Mount Kisco, Westchester County, New York
BCP Site No.: C360183

Dear Mr. Domaracki:

Bellucci Engineering, PLLC is pleased to present this *Sub-Slab Depressurization System Design Document* for the above referenced property. This report specifies the proposed design and installation procedures for a SSDS within Unit #s 2, 3 and 4. A separate SSDS Design Document will be prepared for Unit # 1 following completion of additional IRMs, including source removal, proposed within that tenant space. This SSDS Design Document is being submitted to NYSDEC and NYSDOH for approval. If you should have any questions or require additional information, please contact our office.

Respectfully submitted,



Daniel Bellucci, P.E.
Bellucci Engineering, PLLC

Deborah Thompson
Senior Geologist

CERTIFICATION

I, Daniel Bellucci, certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375 and that this Sub-slab Depressurization System Design, was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Daniel Bellucci, P.E.
Professional Engineer #099470

Signature

May 31, 2022
Date

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1.0 INTRODUCTION AND BACKGROUND

The Subject Property, located at 200 East Main Street in the Village of Mount Kisco, Westchester County, New York (heretofore referenced as the Site or Subject Property) had been accepted into the Brownfield Cleanup Program or BCP (Site Number C360183) as volunteers. Based on a recent ruling by the Department, the property is now considered a participant under the BCP. A property location map and a Site (base) plan are presented as **Figures 1** and **2**, respectively. Located on a regularly shaped 0.273-acre parcel, the Site, known as 200 East Main, LLC, is improved with a +/- 15,035-ft² two-story commercial structure which occupies almost the entire footprint of the Subject Property. The remaining portion of the Site, located in the northeastern quadrant, is improved with an approximate 2,500-ft² asphalt covered parking area. At present, the Site houses a shopping center with eight store fronts (note that two of the store fronts are presently considered off-Site as they are located outside of the approved BCP Site boundary, see **Figure 2**). Tenants utilizing space within the Site structure include:

Occupant	Type of Tenant	Floor Location
Prestige Cleaners, LLC (Permanently closed 12/31/21)	Dry Cleaning Establishment	First Floor
Leicht NY, LLC	Kitchen Cabinetry	First Floor
217 E. Main Street Corp. DBA Le Collage Salon	Hair salon	First Floor
Pick Up Every Stitch	Sewing, Needlework and Piece Good Store	Second Floor
Silver Bread Basket	Food service	Second Floor
Reining Cats & Dogs	Pet day care/Grooming	Second Floor
Two storefronts	Vacant	Both first and second floors

Use of the property for commercial purposes reportedly dates back to the 1970s. The facility was historically registered with the New York State Department of Environmental Conservation (NYSDEC or Department) Petroleum Bulk Storage (PBS) Program until the facility operation was decommissioned in 2002. Although the exact date of construction of each portion of the building is unknown, pilot testing data (i.e. vacuum field extension between units) and visual observations made within the structure indicate Unit #s 1 and 2 were constructed at the same time, with Unit #s 3 and 4 were constructed at a different time. Unit #s 3 and 4 are elevated in comparison to Unit #s 1 and 2 and a footing likely separates these units.

The Site is currently active and is zoned for commercial use. The Site is bounded by commercial properties in each cardinal direction, with a mixed use (residential/commercial) building located immediately to the north. The nearest residential area is approximately 275-ft to the east along Lundy Lane. Topography is generally level across most of the Site, with a slight decline to the west. Potable water and wastewater disposal are reportedly provided by the Village/Town of Mount Kisco. No groundwater supply wells were observed by representatives of this office during Site inspections and no groundwater supply wells are known to be present or used on adjoining or nearby properties.

On October 29, 2021, a Remedial Investigation Work Plan (RIWP) - Revised was prepared by DT Consulting Services, Inc. (DTCS) to satisfy the investigation requirement of the NYSDEC BCP. The RIWP was approved by the Department and field work commenced on November 17 and 18, 2021. Additional indoor ambient air sampling, not originally outlined in the RI Work Plan, was conducted on November 22, 2021, within the retail spaces located on the second level of the Site structure at the request of the Department. This additional sampling was conducted in response to the observance an unauthorized, improper disposal of waste PCE dry cleaning fluid, which was observed within the Prestige Cleaner tenant space on November 18, 2021. These unauthorized activities are believed to have ceased as of November 18, 2021. The operation of a dry-cleaning establishment is no longer being conducted on-Site, and the business was permanently closed on December 31, 2021.

Results of the RI indicate elevated concentrations of chlorinated volatile organic compounds (cVOCs), including tetrachloroethylene (PCE), cis-1,2-dichloroethylene (cis-1,2-DE), trichloroethylene (TCE) and methylene chloride in Site soil vapor and indoor air. Based on the elevated concentrations of cVOCs detected in indoor air and soil vapor within the tenant spaces, immediate mitigation was deemed necessary. As such, certain measures have been implemented to mitigate cVOCs detected in ambient air within the Site structure for the protection of human health. The first mitigation measure included the December 9, 2021, installation of Air Purifying Units (APUs) at the Site, to reduce cVOC concentrations detected in indoor air within each occupied tenant space. Deployment of the APUs was verbally approved by the Department and NYSDOH during a December 6, 2021, conference call. Additional information regarding the APU's can be found in the *Proposed Interim Remedial Measure (IRM) Work Plan* as generated by DTCS and Bellucci Engineering on January 14, 2022.

A report titled, *Additional Site Characterization and SSDS Pilot Study Report*, dated March 25, 2022, summarizing the additional site characterization and SSDS pilot testing procedures and findings is currently pending approval by the Department. The additional soil data collected during site characterization identified cVOC impacted soil beneath the former dry cleaner tenant space. The APU and SSDS installation are mitigation measures designed to be protective of public health. A proposed IRM to remediate the Site includes soil excavation in the former dry cleaner tenant space. A separate IRM Work Plan for soil excavation/ source removal is being prepared concurrently with this SSDS Design Document. Based on the proposed excavation within the former dry cleaner tenancy space (herein Unit #1), installation of an SSDS within this tenant space will be conducted following the completion of excavation activities. A separate SSDS Design Document will be prepared for the SSDS installation within Unit #1 following completion of source removal proposed for Unit #1.

This SSDS Design Document has been prepared for the three first floor tenant spaces with documented sub-slab soil gas impacts warranting mitigation. These include the vacant Unit #2, Leicht Kitchens (Unit #3) and Le Collage Salon (Unit #4).

2.0 SITE SETTING

2.1 SITE SOIL AND BEDROCK GEOLOGY

Site soils are composed of native brown fine sand and silt documented in previous soil borings. Fill material, including structural sub-grade sands and gravels, pea gravel, concrete and brick fragments have been documented during previous sampling and testing events beneath the building slab. The geology of the area is identified as metamorphic Fordham Gneiss. Bedrock has not been encountered in prior investigations to a maximum exploration depth of 20-feet below ground surface (bgs).

2.2 SITE HYDROGEOLOGICAL CONDITIONS

Shallow groundwater has been measured across the Site at depths ranging from 7 to 9 feet bgs. Historic groundwater elevations have indicated a north-northwesterly groundwater flow direction.

3.0 SSDS PILOT TEST SUMMARY

The purpose of the pilot test was to evaluate the effectiveness of a SSDS as a potential mitigation measure for cVOCs in soil vapor identified beneath the building. Field activities were conducted on February 28 – March 4, 2022. **Tables 1, 2 and 3** include the tabulated data collected during the pilot test for Units 2, 3 and 4. **Figure 3** depicts the locations of the extraction wells and soil gas/vacuum monitoring points utilized during the pilot test program within Units 2, 3 and 4. **Figure 4** shows the estimated radius of influence generated during each of the 8 tests conducted within Units 2, 3 and 4 at the Site. A complete description of the SSDS extraction well installation, vacuum monitoring point installation and other pilot/diagnostic test work is presented in the *Additional Site Characterization and SSDS Pilot Study Report*, dated March 25, 2022. Pilot testing data associated with Unit #1 is not included in this document and will be discussed in a standalone SSDS Design document for that tenant space

The system removed soil vapor at average flow rates ranging from 18 to 95 cubic feet per minute (CFM). Low air flow rates were observed in EW-5 at an average of 18 CFM. The low air flow rates are attributable to more densely packed soils observed in this location, and other possible subsurface obstructions not observed. Dense/ low permeability soils limit the amount of air flow to the extraction well, thus decreasing the radius of influence that can be established.

Sub-slab vacuum greater than the target value of -0.025 inches of water (in-H_2O) was created during pilot test in twelve of the fourteen monitoring points located throughout the building. In the two locations where the target value of -0.025 in-H_2O was not achieved, average vacuum ranging from -0.009 to -0.023 in-H_2O was demonstrated. The anticipated radius of influence (ROI) of the extraction wells ranged from 20 to 40 feet. The variability in the ROI is a function of sub-grade soil types, utilities and/or building footings.

Elevated PCE and lower level TCE was detected in each of the extracted vapor samples collected from the Unit #s 2, 3 and 4. Refer to the *Additional Site Characterization and SSDS Pilot Study Report*, dated March 25, 2022, for additional information regarding the SSDS pilot testing.

4.0 SSDS DESIGN

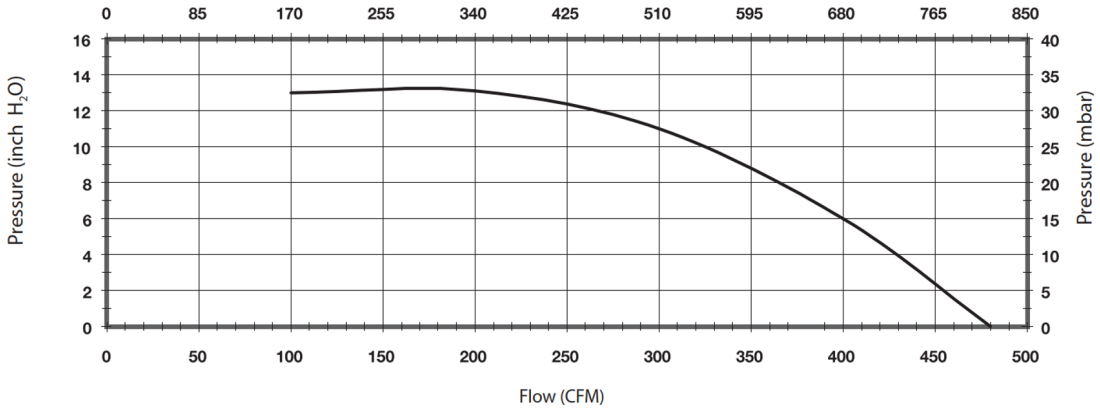
The SSD system design presented herein is proposed to depressurize the entire footprint of Unit #s 2, 3 and 4. As noted in the *Additional Site Characterization and SSDS Pilot Study Report*, potential gaps in the ROI demonstrated during pilot testing are present within Unit #s 2 and 3. Marginal vacuum in the location of SG-3 (Southern portion of vacant Unit #2) will be addressed through installation of a new extraction well in that portion of the building during system installation. Similarly, low level vacuum (less than -0.025 in H_2O) observed during pilot testing at SG-8 in the Le Collage Salon (Unit #4) will be addressed by upsizing the blower serving the two extraction wells in that tenant space to a high flow GBR 89. A data gap exists in the central portion of Unit #3 (Leicht Kitchens). Installation of additional vacuum monitoring point(s) in the central portion of this space was not possible during pilot testing based on concerns raised by the tenant about disturbances to their operations. The selected blower to service the three extraction wells (EW-5, EW-6 and EW-10) is a high vacuum GBR 76UD fan and is anticipated to push the ROI for each extraction well further than what pilot testing data demonstrated.

The SSDS will operate as three independent systems serving Unit #s 2, 3 and 4. While each unit will operate independently of one another, it should be noted that pilot testing does indicate some communication between Unit #s 3 & 4. Prior to installation of the SSDS, a Commercial Building Permit will be obtained through the Mount Kisco Building Department.

4.1 VACANT UNIT #2 – SSDS DESIGN PARAMETERS

The SSDS design for the vacant unit (Unit #2) will utilize the two existing extraction wells (EW-7 & EW-8) installed during pilot testing. In addition, based on low-level vacuum documented at SG-3 during pilot testing and the presence of sub-grade utilities in this portion of the space, a new extraction well will be installed in the southern portion of Unit #2 (See **Figure 8**, *Detail 1* for extraction well installation details). Based on pilot testing data from EW-7 and EW-8, the design parameters for these two wells will be approximately 90 CFM and at an applied vacuum of approximately 3-4 in-H_2O. Assuming the response parameters are similar for the proposed new extraction well, the cumulative system air flow within Unit #2 is projected to be approximately 270 CFM. Operating at projected applied vacuum range, the cumulative air flow falls under the fan curve for a 120-volt Obar® GBR 89 fan.

Figure 4.1 - GBR89 @ 120V



Unit #2 is an approximate 2,400 ft^2 space. The measured ROI for EW-7 and EW-8 was at least 35-feet. Accordingly, with the addition of a new extraction well, and the increased air flow of a GBR89 blower/ fan, it is anticipated that the installed system will create a cumulative ROI to encompass the entirety of the tenant space.

The existing and proposed well locations are depicted in **Figure 5**. **Figure 6A** is a process flow diagram depicting the proposed equipment and generalized piping layout within the tenant space. **Figure 7** is a sidewall installation detail drawing. **Figure 9** includes a roof view showing the locations of the riser pipe roof penetrations, fan/ exhaust locations and HVAC intake locations.

4.1.1 Piping & System Components

To meet the pipe size requirements of the proposed GBR blower/ fan, existing wells EW-7 & EW-8 will be over-drilled with a 4 & ½-inch core drill to accommodate a 4-inch schedule 40 PVC pipe. The proposed well in the southern portion of the space will include a 4 & ½-inch slab core and will follow the design specifications in **Figure 8**, *Detail 1*. Solid 4-inch schedule 40 PVC will be connected to each extraction well and extended vertically above the drop ceiling.

A nylon ball valve will be installed at a height of approximately 4-feet above the slab in each of the three well riser pipes. The purpose of the valve is to allow for collection of system operational data, including air flow, temperature, vacuum, PID readings and effluent laboratory samples. See **Figure 8**, *Detail 3* for the sample ball valve installation specifications.

A SSDS label will be placed on each riser pipe at a height of approximately 5-feet above the slab. The label will read, "THIS IS A COMPONENT OF A SUB-SLAB VENTING SYSTEM. DO NOT TAMPER WITH OR DISCONNECT."

An Obar® GBR 25 vacuum gauge and visual / audible alarm will be installed on a wall proximal to EW-8. Note, the location of the alarm may be changed to a different extraction well within the unit. The alarm will be connected to a dedicated outlet to be installed by the electrician. The outlet will be outfitted with a protective cover to prevent tenant from mistakenly disconnecting the alarm. Tubing will connect the alarm to the sample port installed on the extraction well. The visual/ audible alarm will be preset to trigger if the vacuum within the riser pipe falls below 1-in H_2O. The screen of the gauge will provide a real-time digital output of system vacuum. The remaining two wells will be outfitted with wall mounted Dwyer® Magnehelic vacuum gauges for real-time vacuum monitoring. The vacuum gauges will have a threshold of 0 to 15 in H_2O. Specifications for the Obar® GBR 25 vacuum gauge and visual / audible alarm and Dwyer® Magnehelic vacuum gauge are included in **Appendix A.**

An inline 4-inch PVC ball valve will be installed on the vertical pipe prior to the drop ceiling for system balancing purposes. The ball valve should be located at a height such that it cannot be easily tampered with by the tenants/ occupants of the space.

Each of the three extraction wells will be connected above the drop ceiling using smooth T junctions. The combined pipe run will be directed to the southern portion of the tenant space. The PVC pipe will be secured with steel clevis hangars or approved equivalents, spaced every 8 to 10-feet. The hangars will be secured to the roof decking/ supports. All horizontal piping will be

installed with an approximate 1% pitch towards each extraction well to promote condensate drainage. All coupler and elbow connections will be made with medium duty PVC primer and glue.

4.1.2 Sidewall Penetrations & Sealing

An approximate 4 ½-inch core will be made in the exterior wall along the southern portion of the space. The pipe will be routed through the wall to the exterior. A fire rated foam will be applied inside the structure and the exterior wall will be sealed with a cement/ mortar (See **Figure 8**, *Detail 4).*

4.1.3 Fan Mounting & Exterior Piping

The piping will be routed vertically up the exterior wall and into the intake of the Obar® GBR89 blower/ fan. The fan will be secured to the wall using an aluminum Obar GBR® Wall Mount, and the pipe will be routed vertically up the wall from the exhaust port of the blower/ fan. Struts will be secured using Tapcon® (or equivalent) concrete anchors approximately every 10-feet and strut clamps will be used to secure the pipe to each strut (See **Figure 8**, *Detail 6*).

The effluent discharge will be terminated a minimum of 3-feet above the roofline, 6-inches above the parapet and a minimum of 10-feet or more from any HVAC intake, window or other building opening. A copy of the Obar GBR® wall mount technical specifications is included in **Appendix A**.

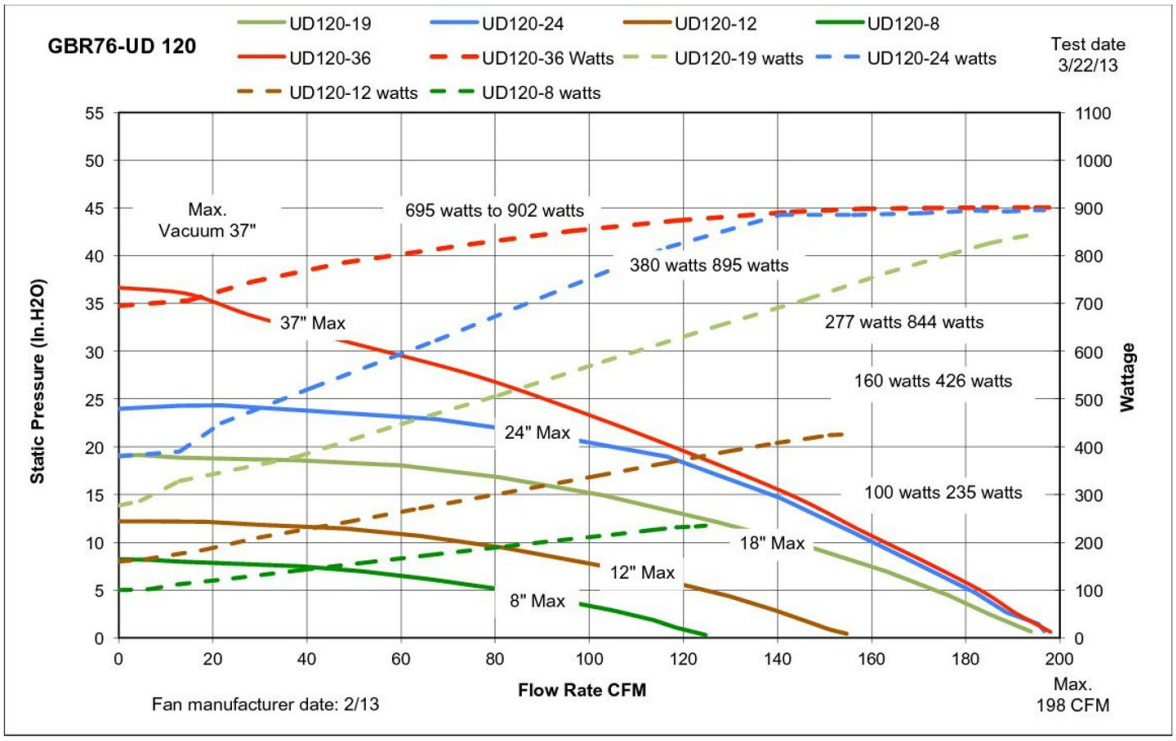
4.1.4 Electrical

The fan will be wired (120V) to a dedicated breaker by a Westchester County licensed electrician and in accordance with local, county and state electrical codes. A dedicated outlet will also be installed in proximity to the Obar® GBR 25 vacuum gauge and visual / audible alarm. A Third-Party inspection of all electrical work will be conducted in accordance with Mount Kisco Building Department requirements.

4.2 LEICHT KITCHENS -UNIT #3

The SSDS design for the Leicht Kitchen (Unit #3) will utilize the three existing extraction wells installed during pilot testing. Based on pilot testing data from EW-5, EW-6 and EW-10, the design parameters for these three wells will be approximately 150 CFM and at an applied vacuum of ranging from 9 to 15 in-H_2O. Operating at projected applied vacuum range, the cumulative air flow is within the fan curve range for a 120-volt Obar® GBR 76 UD fan.

Figure 4.2 - GBR 76UD @ 120V



Unit #3 is an approximate 2,400 ft^2 space. The measured ROI for the three extraction wells was approximately 30 feet. If the pilot testing parameters were kept the same, the installed system would create a cumulative ROI of approximately 2,200 ft^2. In order to increase the cumulative ROI, a GBR 76UD fan with a higher static pressure capability than the GBR 76SOE fan used during pilot testing will be utilized. It is anticipated that that higher static pressure created by the GBR 76UD fan will create a larger ROI to encompass the entirety of the tenant space. Additional vacuum monitoring points may be installed within the central portion of this space to further assess the system ROI.

The existing well locations are depicted in **Figure 5**. **Figure 6B** is a process flow diagram depicting the proposed equipment and generalized piping layout within the tenant space and along the roof.

4.2.1 Piping & System Components

Each of the three existing 3-inch couplers set in the slab cores will be connected to 3-inch schedule 40 PVC pipe and extended vertically through the existing dry wall ceiling.

A nylon ball valve will be installed at a height of approximately 4-feet above the slab in each of the three well riser pipes. The purpose of the valve is to allow for collection of system operational data, including, air flow, temperature, vacuum, PID readings and effluent laboratory samples. See **Figure 8**, *Detail 3* for the sample ball valve installation specifications.

A SSDS label will be placed on each riser pipe at a height of approximately 5-feet above the slab. The label will read, "THIS IS A COMPONENT OF A SUB-SLAB VENTING SYSTEM. DO NOT TAMPER WITH OR DISCONNECT."

An Obar® GBR 25 vacuum gauge and visual / audible alarm will be installed on a wall proximal to EW-6. Note, the location of the alarm may be changed to a different extraction well within the unit. The alarm will be connected to a dedicated outlet to be installed by the electrician. Tubing will connect the alarm to the sample port installed on the extraction well for real-time monitoring of system vacuum. The visual/ audible alarm will be preset to trigger if the vacuum within the riser pipe falls below 1-in H_2O. The screen of the gauge will provide a real-time digital output of system vacuum. The remaining two wells will be outfitted with wall mounted Dwyer® Magnehelic vacuum gauges for real-time vacuum monitoring. The vacuum gauges will have a threshold of 0 to 20 in H_2O. Copies of the Obar® GBR 25 vacuum gauge and visual / audible alarm and Dwyer® Magnehelic vacuum gauge are included in **Appendix A.**

An inline 3-inch PVC ball valve will be installed on each vertical riser pipe prior to the dry wall ceiling for system balancing purposes. The ball valve should be located at a height such that it cannot be easily tampered with by the tenants/ occupants of the space.

4.2.2 Roof Penetrations & Sealing

A roofing contractor will be retained to install penetrations for the 3-inch schedule 40 PVC riser pipes through the roof. A watertight rubber boot seal will be installed around each pipe.

4.2.3 Fan Mounting & Exterior Piping

The piping from each extraction well will be routed horizontally across the roof to a central location where the GBR 76UD fan will be placed. All exterior piping will be UV resistant. The piping will be mounted to DuraBlock® roof supports (approximate 10-foot spacing) and secured with galvanized pipe strut clamps. All horizontal piping will have a 1% pitch towards the extraction well for condensation drainage. The SSDS fan will be mounted to an Obar GBR® roof mount set on foam piers.

The effluent discharge will be terminated a minimum of 3-feet above the roofline and a minimum of 10-feet or more from any HVAC intake, window or other building opening. Copies of the DuraBlock® roof support specification sheets are included in **Appendix A**. A copy of the Obar GBR® roof mount technical specifications is included in **Appendix A**.

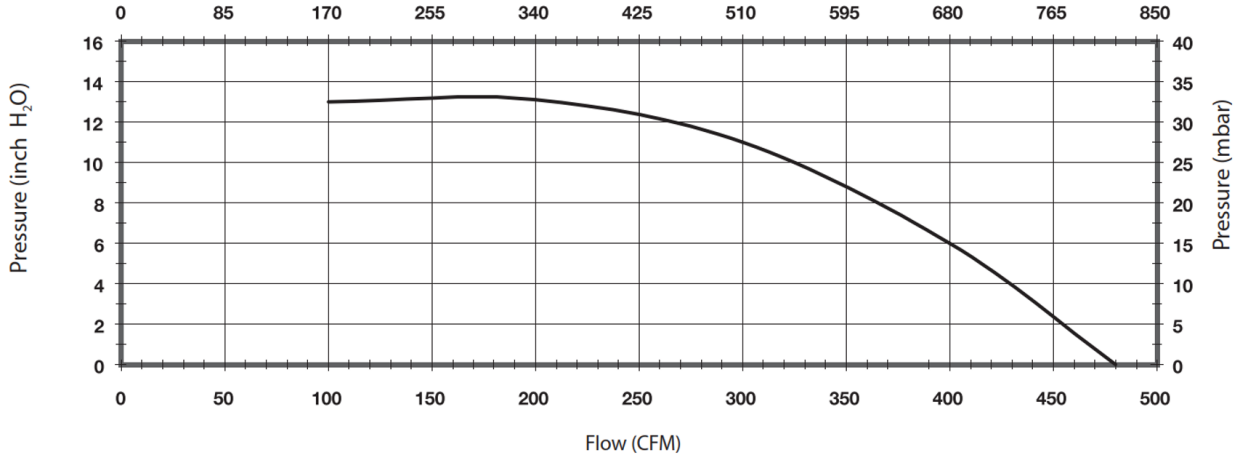
4.2.4 Electrical

The 120V fan will be wired to a dedicated breaker by a Westchester County licensed electrician and in accordance with local, county and state electrical codes. A dedicated outlet will also be installed in proximity to the Obar® GBR 25 vacuum gauge and visual / audible alarm. A Third-Party inspection of all electrical work will be conducted in accordance with Mount Kisco Building Department requirements.

4.3 LE COLLAGE SALON -UNIT #4

The SSDS design for the Le Collage Salon (Unit #4) will utilize the two existing extraction wells installed during pilot testing. Based on pilot testing data from EW-1 and EW-4, the design parameters for these two wells will be approximately 150 CFM and at an applied vacuum of ranging from 4.3 to 9.5 in-H_2O. Operating at projected applied vacuum range, the cumulative air flow is within the fan curve range for a 120 V Obar® GBR 89HA fan.

Figure 4.3 - GBR89 @ 120V



Unit #4 is an approximate 2,350 ft^2 space. The measured ROI for the two extraction wells ranged was approximately 35 feet. Accordingly, with the increased air flow of a GBR89 blower/ fan, it is anticipated that the installed system will create a cumulative ROI to encompass the entirety of the tenant space.

The existing well locations are depicted in **Figure 5**. **Figure 6C** is a process flow diagram depicting the proposed equipment and generalized piping layout within the tenant space and along the roof.

4.3.1 Piping & System Components

To meet the pipe size requirements of the proposed GBR blower/ fan, existing wells EW-1 & EW-4 will be over-drilled with a 4 & 1/2" core drill to accommodate a 4-inch schedule 40 PVC pipe. Solid 4-inch schedule 40 PVC will be connected to each extraction well and extended vertically above the drop ceiling.

A nylon ball valve will be installed at a height of approximately 4-feet above the slab in each of the three well riser pipes. The purpose of the valve is to allow for collection of system operational data, including, air flow, temperature, vacuum, PID readings and effluent laboratory samples. See **Figure 8**, *Detail 3* for the sample ball valve installation specifications.

A SSDS label will be placed on each riser pipe at a height of approximately 5-feet above the slab. The label will read, "THIS IS A COMPONENT OF A SUB-SLAB VENTING SYSTEM. DO NOT TAMPER WITH OR DISCONNECT."

An Obar® GBR 25 vacuum gauge and visual / audible alarm will be installed on a wall proximal to EW-4. Note, the location of the alarm may be changed to a different extraction well within the unit. The alarm will be connected to a dedicated outlet to be installed by the electrician. Tubing will connect the alarm to the sample port installed on the extraction well for real-time monitoring of system vacuum. The visual/ audible alarm will be preset to trigger if the vacuum within the riser pipe falls below 1-in H_2O. The screen of the gauge will provide a real-time digital output of system vacuum. EW-1 will be outfitted with wall mounted Dwyer® Magnehelic vacuum gauge for real-time vacuum monitoring. The vacuum gauge will have a threshold of 0 to 20 in H_2O. Copies of the Obar® GBR 25 vacuum gauge and visual / audible alarm and Dwyer® Magnehelic vacuum gauge are included in **Appendix A.**

An inline 4-inch PVC ball valve will be installed on each vertical riser pipe prior to the drop ceiling for system balancing purposes. The ball valve should be located at a height such that it cannot be easily tampered with by the tenants/ occupants of the space.

4.3.2 Roof Penetrations & Sealing

A roofing contractor will be retained to install penetrations for the 4-inch schedule 40 PVC riser pipes through the roof. A watertight rubber boot seal will be installed around each pipe.

4.3.3 Fan Mounting & Exterior Piping

The piping from each extraction well will be routed horizontally across the roof to a central location where the GBR 89HA fan will be placed. All exterior piping will be UV resistant. The piping will be mounted to DuraBlock® roof supports (approximate 10-foot spacing) and secured with galvanized pipe strut clamps. All horizontal piping will have a 1% pitch towards the extraction well for condensation drainage. The SSDS fan will be mounted to an Obar GBR® roof mount set on foam piers.

The effluent discharge will be terminated a minimum of 3-feet above the roofline and a minimum of 10-feet or more from any HVAC intake, window or other building opening. Copies of the DuraBlock® roof support specification sheets are included in **Appendix A**. A copy of the Obar GBR® roof mount technical specifications is included in **Appendix A**.

4.3.4 Electrical

The 120V fan will be wired to a dedicated breaker by a Westchester County licensed electrician and in accordance with local, county and state electrical codes. A dedicated outlet will also be installed in proximity to the Obar® GBR 25 vacuum gauge and visual / audible alarm. A Third-Party inspection of all electrical work will be conducted in accordance with Mount Kisco Building Department requirements.

4.4 AERSCREEN EVALUATION

The sub-slab samples collected during pilot testing from each extraction well were analyzed for VOCs to evaluate the toxicity and impacts on the receptors downwind using a dispersion model (AERSCREEN). AERSCREEN is a screening model based on the U.S. EPA AERMOD air quality dispersion model to predict ambient air concentrations attributed to a single source. The input

parameters including total VOC concentrations, effluent loading rates, stack height, flow rates, velocity and the distance to the receptor (Estimated at 3 feet) were compared to the NYSDEC DAR Air Guidance (DAR-1) Guidelines for the Control of Toxic Ambient Air Contaminants, AERSCREEN computer program (**Table 4**). The average flow for each extraction well during pilot testing was used in the AERSCREEN model. The generated concentrations were compared with Short-term Guideline Concentrations (SGCs) and Average-Annual Guidance Criteria (AGCs). The model was run for each individual tenant space. Additionally, a scenario was run for combined effluents for each of the three tenant spaces. The models predicted results for each individual tenant space, and the combined results for all three, did not exceed the concentration values for contaminants of concern listed within the SGC and AGC values. The pilot testing laboratory analytical data utilized in the AERSCREEN Model is included in **Appendix D.** The raw data inputs for the AERSCREEN model are included in **Appendix E.**

Accordingly, the results of pilot testing and the AERCREEN model indicate that the levels to be discharged from each of three tenant spaces are acceptable for direct discharge to the atmosphere without vapor control during the full-scale SSD system operation. It should be noted that the pilot testing data used for the model are considered conservative as they were collected only 30 minutes after each pump test occurred. Effluent concentrations typically decrease significantly after the first month of operation in the absence of a significant groundwater plume or soil source areas. Effluent concentrations are expected to decrease with time based on the following factors:

- Cessation of dry-cleaning operations within vacant Unit #1(former Prestige Cleaners).
- Proposed removal of cVOC impacted soil source material from Unit #1.
- Installation of an SSDS within Unit #1, where the highest concentrations of cVOCs in soil vapor are present.

Preliminary AERSCREEN results for Unit #1 indicate emissions controls will be required SSD system to be installed in that space. Those controls will be outlined in a separate SSDS Design Document to be prepared for Unit #1. Accordingly, the future cumulative emissions from the entire Site will not exceed the ACG/ SCGs. If additional testing indicates exceedance of ACGs/ SCGs for Units 2, 3 and 4, emissions controls will be considered for these spaces.

4.5 SEALING OF CRACKS AND JOINTS

Any visible expansion joints or slab cracks in the Site building will be sealed. Generally, extensive cracking has not been observed throughout the building slab. Cracks will be cleaned with a walk behind rotary wheel device with a vacuum attachment to capture dust or debris. Cracks will be sealed with a low-VOC caulk sealant. Any openings into the slab, such as those that may occur around conduit pipe penetrations through the slab, will be cleaned and sealed with low-VOC caulk.

Penetrations between interior partition walls separating the first-floor units will be sealed to the extent feasible. Penetrations will be sealed using appropriate construction materials, including but not limited to low-VOC caulk, masonry products and fire rate foam sealants. This will be conducted prior to activation of the SSDS.

5.0 TESTING, OPERATION & MAINTENANCE

The system will be monitored for a period of 1-year after startup as described in this section. Only the testing, operation and maintenance proposed within the first year of system operation are included in this design document. Long term testing, operation and maintenance of the SSDS beyond the first year will be outlined in a Site Management Plan (SMP) which will be prepared following completion of addition remedial actions proposed for the Site. If the SMP has not been completed within 1 year of the SSDS installation, a standalone SSDS Operation & Maintenance Plan will be prepared. During each of the inspections described in the section, any deficiency observed will be corrected as needed by the field team. These will be noted in monthly status reports prepared for the Site.

5.1 SYSTEM STARTUP TESTING

Immediately following the SSDS installation and system startup, Bellucci Engineering will collect system data including:

- Extraction well vacuum (in-H_2O)
- Extraction well temperature (˚F)
- Extraction well velocity (FPM) – to be converted for CFM
- Sub-slab vacuum (in-H_2O)

System balancing will be performed during initial testing to ensure contaminated vapors are not being drawn from the source area into occupied units. The system in Unit #2 will be activated prior to the systems for Unit #s 3 and 4. The system installed within vacant Unit #2 will act as a buffer between the grossly impacted vapors beneath Unit #1 and the occupied Unit #s 3 and 4. The following table summarizes the vacuum monitoring points to be monitored during system startup:

Table 5.1 – Vacuum Monitoring Plan

Vacuum Monitoring Point	Tenant Space	Associated Extraction Well (s)/ Tenant Space
SG-1	Unit #2 (Vacant)	EW-8 / Unit #2 (Vacant)
SG-4	Unit #2 (Vacant)	EW-8 / Unit #2 (Vacant)
SG-2	Unit #2 (Vacant)	EW-7 / Unit #2 (Vacant)
SG-3	Unit #2 (Vacant)	EW-7 & Proposed Extraction Well / Unit #2 (Vacant)
SG-13	Unit #1 (Vacant, former dry cleaner)	EW-7 / Unit #2 (Vacant)
SG-6	Unit #3 (Leicht Kitchen)	EW-6 / Unit #3 (Leicht Kitchen)
SG-14	Unit #3 (Leicht Kitchen)	EW-6 / Unit #3 (Leicht Kitchen)
SG-5	Unit #3 (Leicht Kitchen)	EW-5 & 10 / Unit #3 (Leicht Kitchen)

SG-8	Unit #4 (Le Collage Salon)	EW-1 / Unit #4 (Le Collage Salon)
SG-7	Unit #4 (Le Collage Salon)	EW-4 / Unit #4 (Le Collage Salon) & EW-5 / Unit #3 (Leicht Kitchen)

5.2 POST SYSTEM STARTUP TESTING – 1 WEEK

Approximately one week after system startup, Bellucci Engineering will revisit the site for a 1-week post-system inspection. During this inspection, Bellucci Engineering will collect system data including:

- Extraction well vacuum (in-H_2O)
- Extraction well temperature (˚F)
- Extraction well velocity (FPM) – to be converted for CFM
- Sub-slab vacuum (in-H_2O)

A sample will be collected from each of the eight (8) proposed extraction wells. The samples will be collected using batch clean SUMMA canisters. The extracted vapor samples will be sent to an NYSDOH-approved laboratory and analyzed for VOCs by EPA method TO-15. The extracted vapor sample results will be compared with the respective AGC and SGC values and the AERSCREEN model will be updated to determine if a vapor control system is required. The following table summarizes the proposed extracted vapor sampling plan:

Table 5.2 – Extracted Vapor Sample Plan

Sample ID	Sample Location	Analysis
EW-1	Unit #4, EW-1 sample port	TO-15
EW-4	Unit #4, EW-4 sample port	TO-15
EW-5	Unit #3, EW-5 sample port	TO-15
EW-6	Unit #3, EW-6 sample port	TO-15
EW-7	Unit #2, EW-7 sample port	TO-15
EW-7	Unit #2, EW-8 sample port	TO-15
EW-10	Unit #3, EW-10 sample port	TO-15
Proposed EW	Unit #2, proposed extraction well, south side of tenant space	TO-15

5.3 POST SYSTEM STARTUP TESTING – 1 MONTH

Approximately one month after system startup, Bellucci Engineering will revisit the site for a post system testing. During this inspection Bellucci Engineering will collect system data including:

- Extraction well vacuum (in-H_2O)
- Extraction well temperature (˚F)
- Extraction well velocity (FPM) – to be converted for CFM
- Sub-slab vacuum (in-H_2O)

It is anticipated that elevated concentrations of cVOCs in indoor air detected within the tenant spaces will begin to decrease immediately following system startup. Indoor air testing of each of the eight tenant spaces will be conducted approximately 1-month after system startup. A total of eight (8) indoor and one (1) outdoor ambient air samples will be collected from the Site. The outdoor ambient air sample will be collected from and upwind location on the property. Each sample will be collected at a height of 3-5 feet from the ground within the approximate breathing zone. Parameters including indoor and outdoor air temperature, wind direction and relative humidity will be noted during the sampling event. The following table summarizes the proposed indoor air sampling plan:

Table 5.3 – Indoor Air Sample Plan – 1 Month

Sample Location	Floor	Analysis
Unit #1 - Former Prestige Cleaners	1st	TO-15
Unit #2 - Vacant	1st	TO-15
Unit #3 – Leicht Kitchens	1st	TO-15
Unit #4 – Le Collage Salon	1st	TO-15
Pickup Every Stitch	2nd	TO-15
Vacant	2nd	TO-15
Silver Bread Basket	2nd	TO-15
Reigning Cats & Dogs	2nd	TO-15
Outdoor Air	N/A	TO-15

The air samples will be collected for analysis in batch clean SUMMA canisters equipped with a laboratory calibrated flow control device to facilitate the collection of the samples for an 8-hour sample duration time. Following sampling, the pressure of the SUMMA canisters will be recorded. A sample log sheet will be maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, vacuum of canisters before and after the samples are collected, and chain of custody protocols.

The air samples will be submitted to a NYSDOH-approved laboratory for analysis of VOCs by EPA Method TO-15.

5.4 QUARTERLY OPERATION & MAINTENANCE

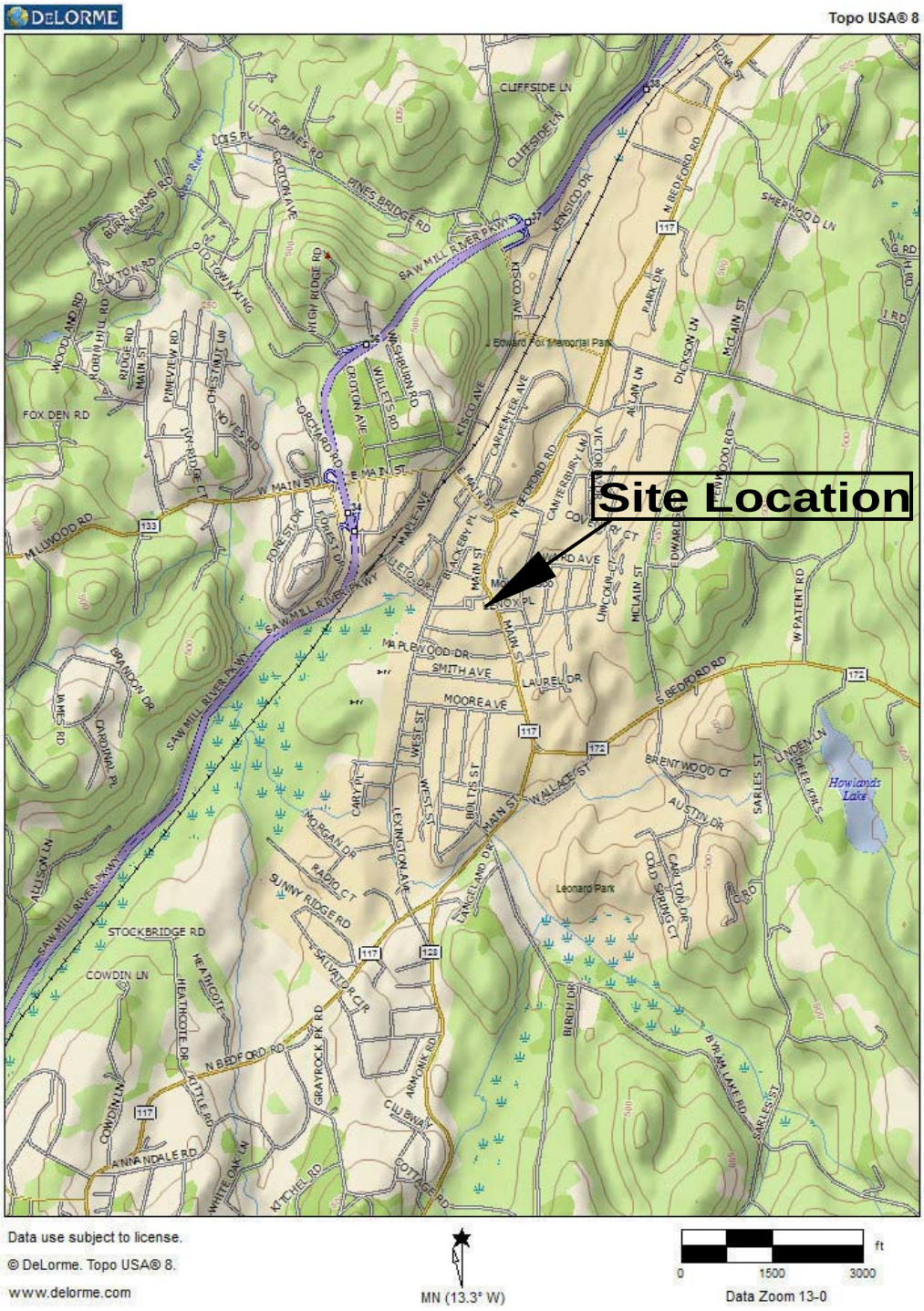
Following the first month of operation, the SSDS will be monitored on a quarterly basis for the first year, unless startup testing indicates more frequent monitoring is required. During each quarterly monitoring event, Bellucci Engineering will collect system data including:

- Extraction well vacuum (in-H_2O)
- Extraction well temperature (˚F)
- Extraction well velocity (FPM) – to be converted for CFM
- Sub-slab vacuum (in-H_2O)

Indoor air samples will be collected from each tenant space as described in Section 5.3 during each quarterly monitoring event for the first year of operation. The monitoring frequency may be

adjusted pending the results of initial testing. Long term testing, operation and maintenance will be determined based on the evaluation of the first year of operational data and will be made in consultation with NYSDEC and NYSDOH. This will be documented in the SMP or as a standalone SSDS Operation & Maintenance Plan if the SMP/ Final Engineering Report is not completed within 1 year of the system installation.

FIGURES



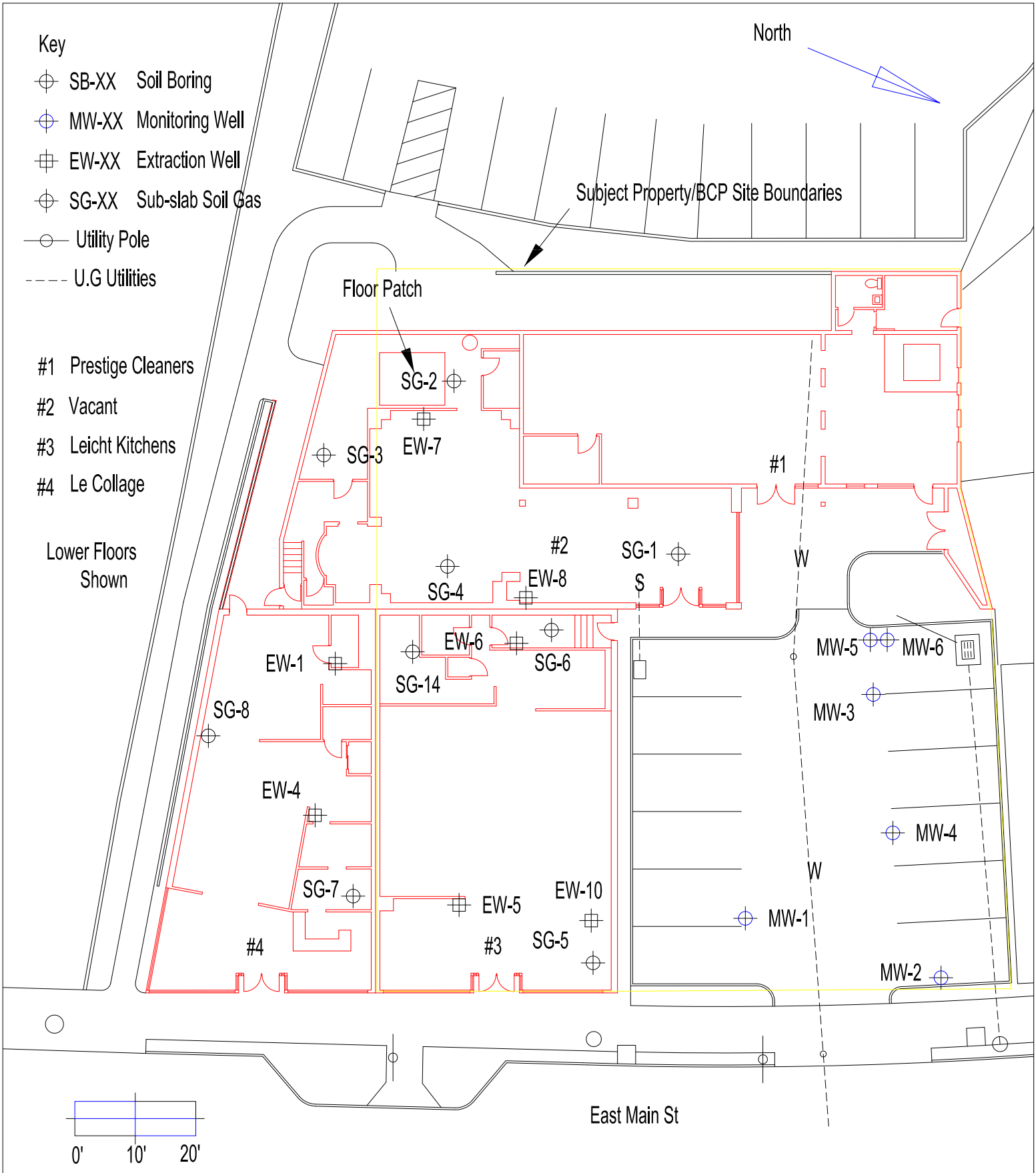
Client:	Larchmont Development LLC Sun Devil Development LLC BCA MK LLC		**Site Location Plan**
Site:	200 East Main Street, Mt. Kisco, NY		
BCP Site No.: C360183	**Drawn by:** DJT	**Scale:** Graphic	**Figure: 1**

Tax parcel data was provided by local municipality. This map is generated as a public service to Westchester County residents for general information and planning purposes only, and should not be relied upon as a sole informational source. The County of Westchester hereby disclaims any liability from the use of this GIS mapping system by any person or entity. Tax parcel boundaries represent approximate property line location and should NOT be interpreted as or used in lieu of a survey or property boundary description. Property descriptions must be obtained from surveys or deeds. For more information please contact local municipality assessor's office.

DT Consulting Services, Inc.

1291 Old Post Road
Ulster Park, New York 12487
(845) 658-3484

Client:	Larchmont Development LLC, Sun Devil Development LLC, BCA MK LLC		
Location:	200 East Main Street, Mt Kisco, Westchester County, New York		
Title:	Site (base) Map		
Scale: Graphic	Drawn By: DT	BCP Site No: C360183	Figure No: 2



Prepared by:

Bellucci Engineering PLLC

Base map provided by DT Consulting Services, Inc.

Client: Larchmont Development LLC, Sun Devil Development LLC, BCA MK LLC

Location: 200 East Main Street, Mt Kisco, New York

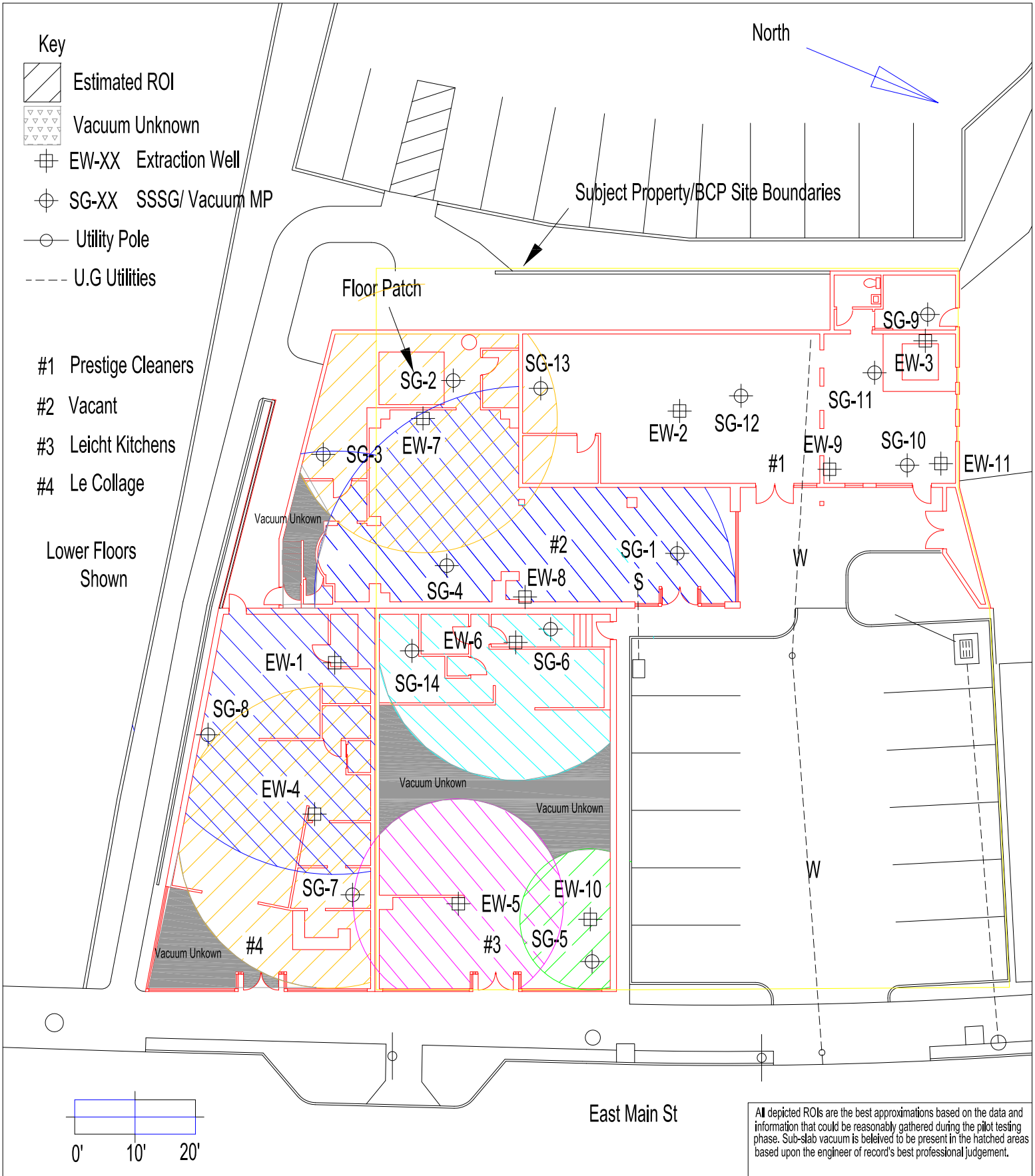
Title: Pilot Testing Location Map (Units 2, 3 & 4)

BCP Site No: C360183

Scale: Graphic

Drawn By: O.T.

Fig.#: 3



All depicted ROIs are the best approximations based on the data and information that could be reasonably gathered during the pilot testing phase. Sub-slab vacuum is beleived to be present in the hatched areas based upon the engineer of record's best professional judgement.

Prepared by:

Bellucci Engineering PLLC

Base map provided by DT Consulting Services, Inc.

P.E. Seal/ Certification

STATE OF NEW YORK
DANIEL BELLUCCI
099470
LICENSED PROFESSIONAL ENGINEER

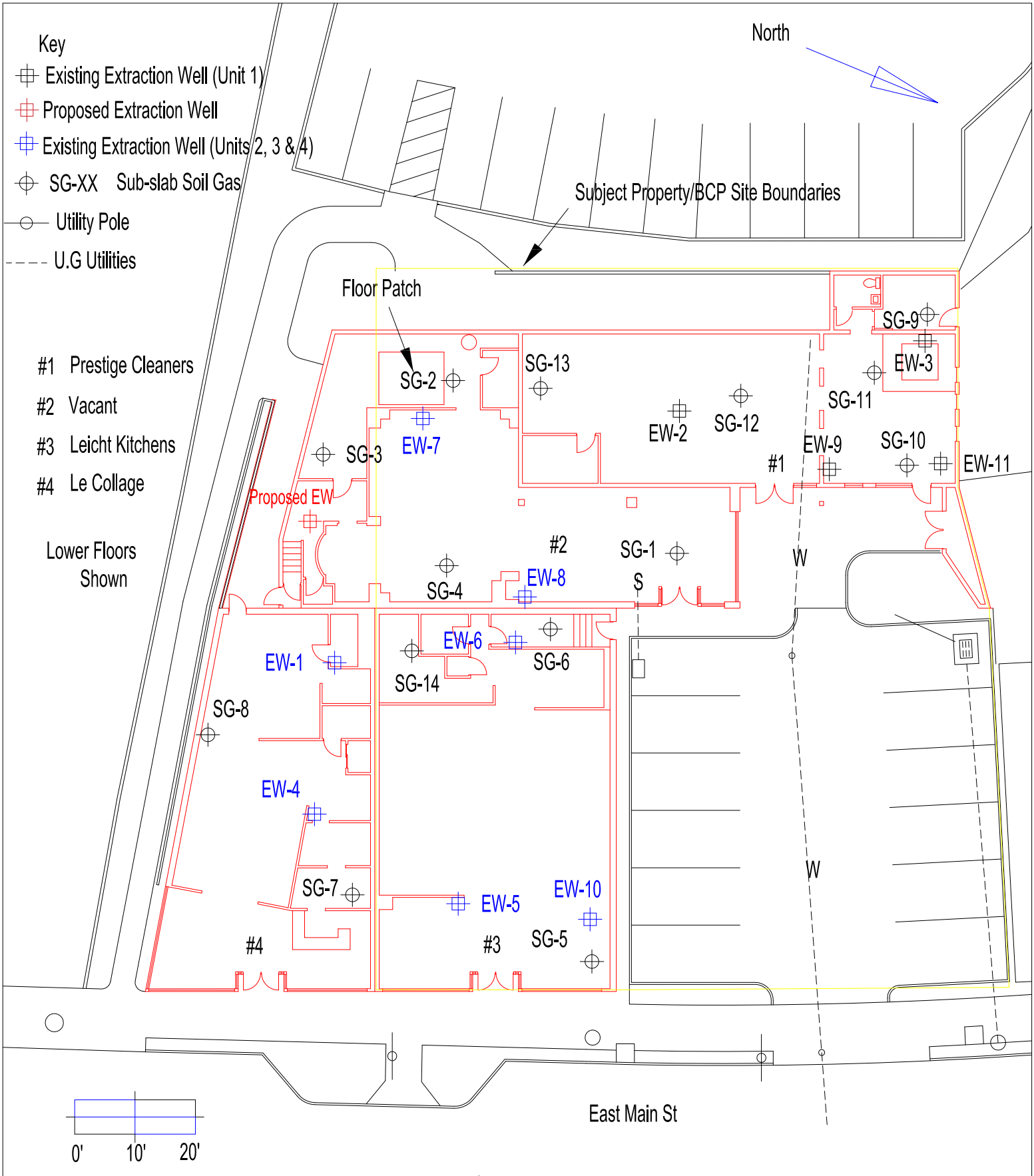
Participant: Larchmont Development LLC, Sun Devil Development LLC, BCA MK LLC

Location: 200 East Main Street, Mt Kisco, New York

Figure Title: Pilot Test Radius of Influence Map

BCP Site No: C360183

Scale: Graphic | Base Map Draw By: O.T. | ROI Map Drawn By: D.B. | Fig.#: 4



Prepared by:

Bellucci Engineering PLLC

Base map provided by DT Consulting Services, Inc.

P.E. Certification/ Seal

STATE OF NEW YORK · DANIEL BELLUCCI · 099470 · LICENSED PROFESSIONAL ENGINEER

Participant: Larchmont Development LLC, Sun Devil Development LLC, BCA MK LLC

Location: 200 East Main Street, Mt Kisco, New York

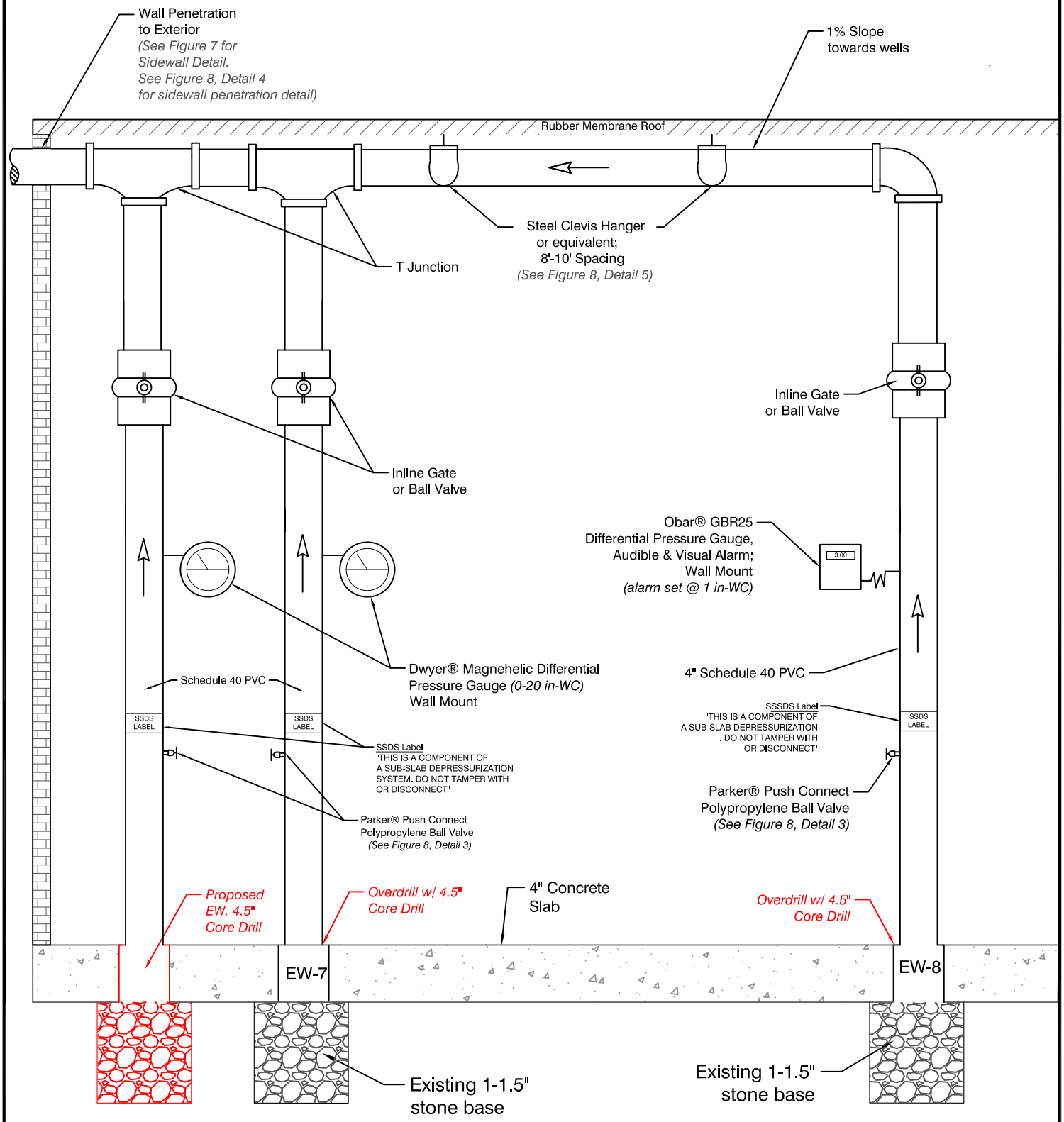
Title: SSDS Installation - Plan View

BCP Site No: C360183

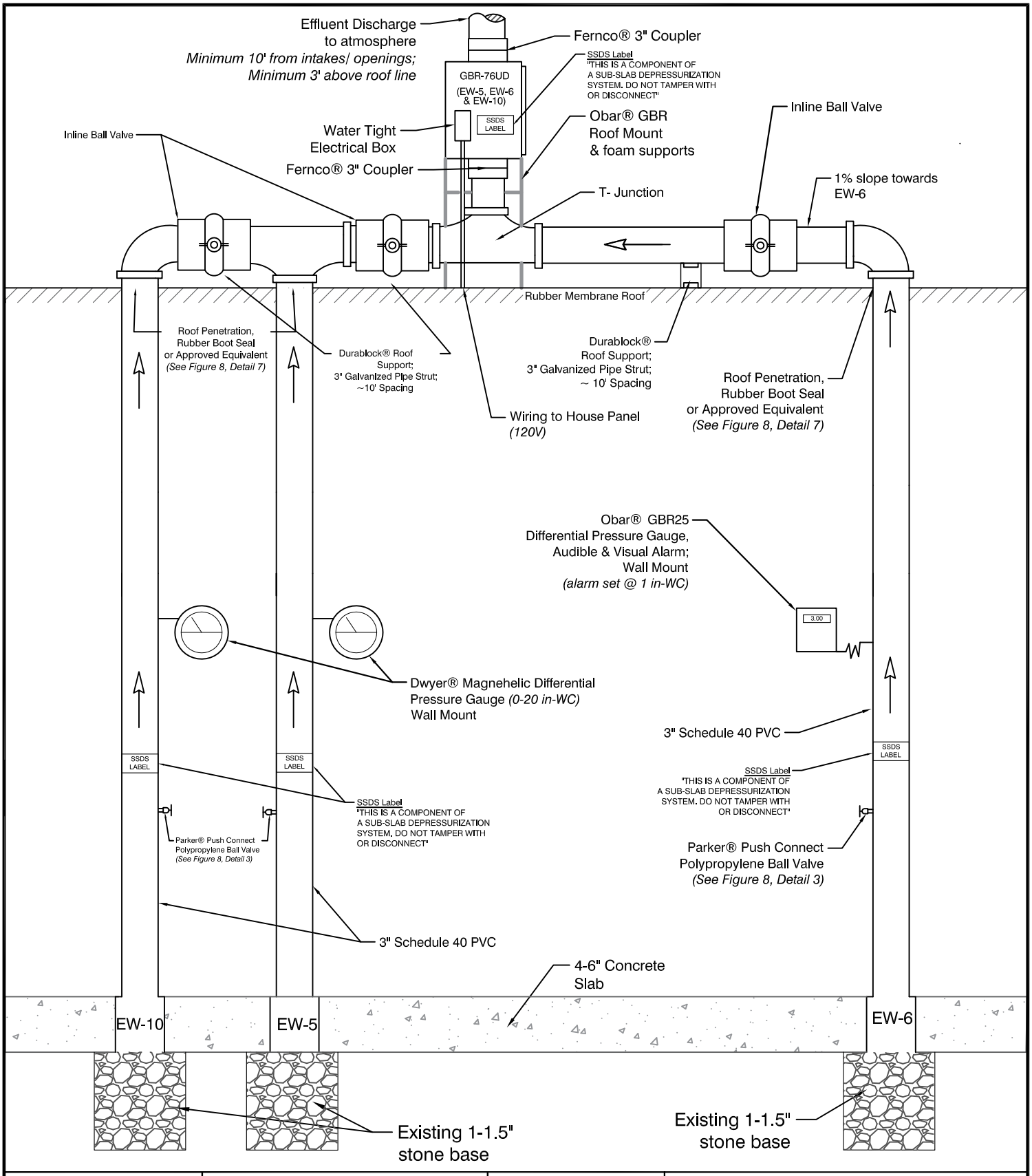
Scale: Graphic

Drawn By: O.T.

Fig.#: 5



Prepared by: Bellucci Engineering PLLC	P.E. Certification/ Seal	Location: 200 East Main Street Mount Kisco, NY	**PROCESS FLOW DIAGRAM- GROUND FLOOR VIEW VACANT (UNIT #2)**
NOT TO SCALE	STATE OF NEW YORK DANIEL BELLUCCI 099470 LICENSED PROFESSIONAL ENGINEER	Client: Larchmont Development, LLC Sun Devil Development, LLC BCA MK LLC	PE/PG: DB; BCP Site Number: C360183; Project Manager: DT; Drafter: DB; Figure: **6A**



Prepared by:

Bellucci Engineering PLLC

NOT TO SCALE

P.E. Certification/ Seal

STATE OF NEW YORK
DANIEL BELLUCCI
099470
LICENSED PROFESSIONAL ENGINEER

Location:

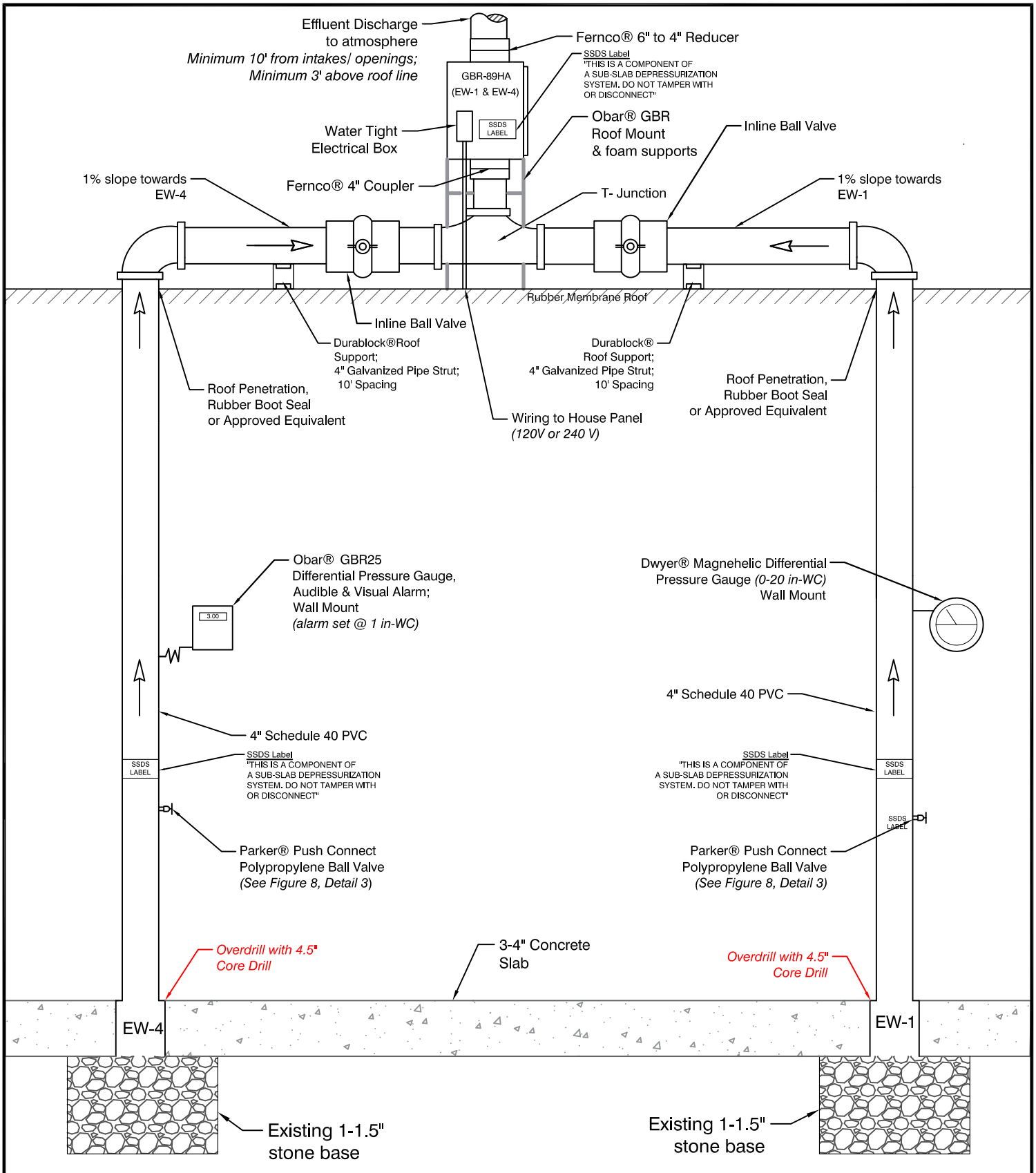
200 East Main Street
Mount Kisco, NY

Client:

Larchmont Development, LLC
Sun Devil Development, LLC
BCA MK LLC

PROCESS FLOW DIAGRAM- GROUND & ROOF VIEW LEICHT KITCHENS (UNIT #3)

PE/PG	BCP Site Number	Figure
DB	C360183	6B
Project Manager	Drafter	
DT	DB	



Prepared by:

Bellucci Engineering PLLC

NOT TO SCALE

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STATE OF NEW YORK
DANIEL BELLUCCI
099470
LICENSED PROFESSIONAL ENGINEER

Location:

200 East Main Street
Mount Kisco, NY

Client:

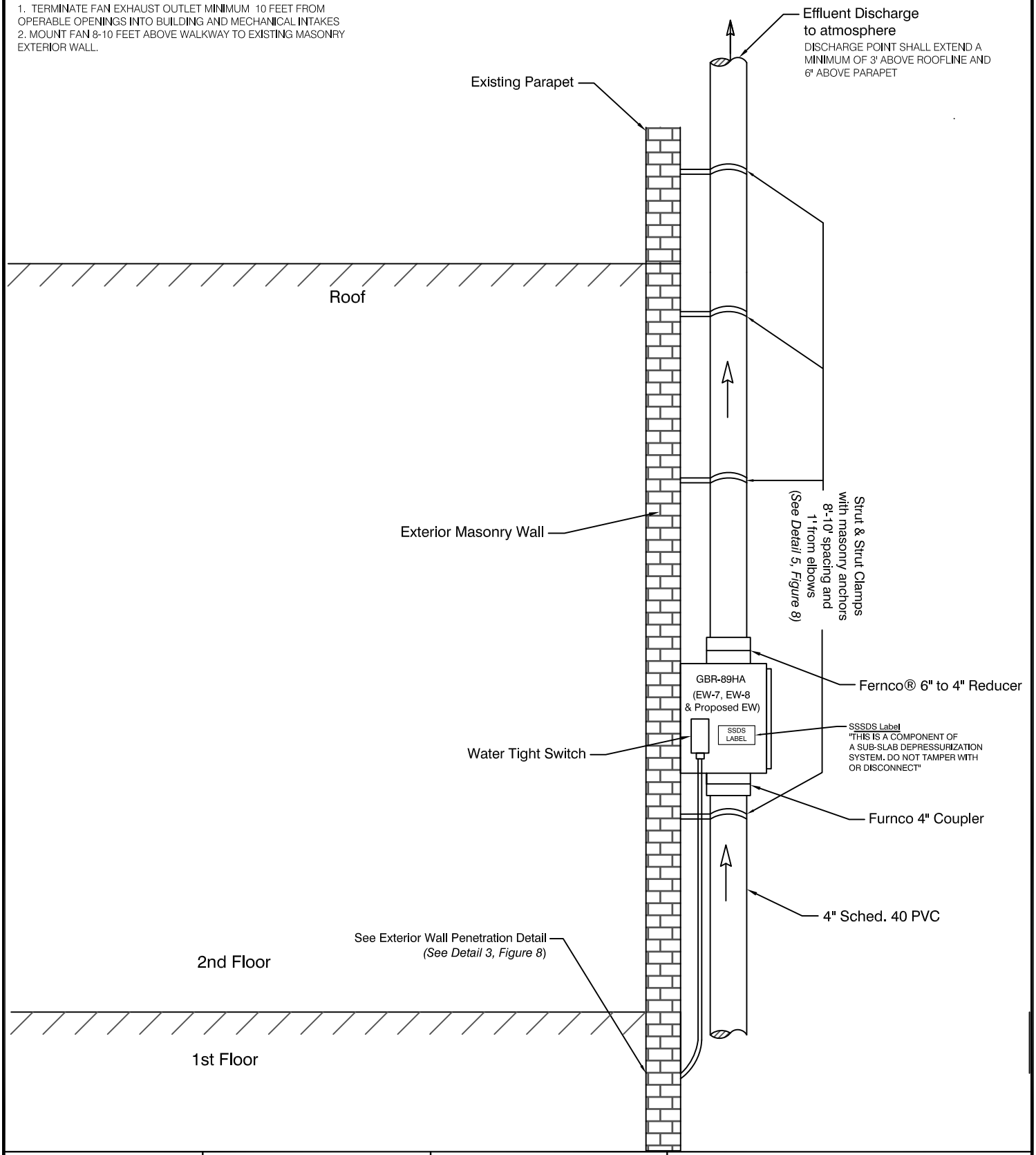
Larchmont Development, LLC
Sun Devil Development, LLC
BCA MK LLC

PROCESS FLOW DIAGRAM- GROUND & ROOF VIEW LE COLLAGE (UNIT #4)

PE/PG	BCP Site Number	Figure
DB	C360183	6C
Project Manager	Drafter	
DT	DB	

NOTES:

1. TERMINATE FAN EXHAUST OUTLET MINIMUM 10 FEET FROM OPERABLE OPENINGS INTO BUILDING AND MECHANICAL INTAKES
2. MOUNT FAN 8-10 FEET ABOVE WALKWAY TO EXISTING MASONRY EXTERIOR WALL.



Prepared by:
Bellucci Engineering PLLC

NOT TO SCALE

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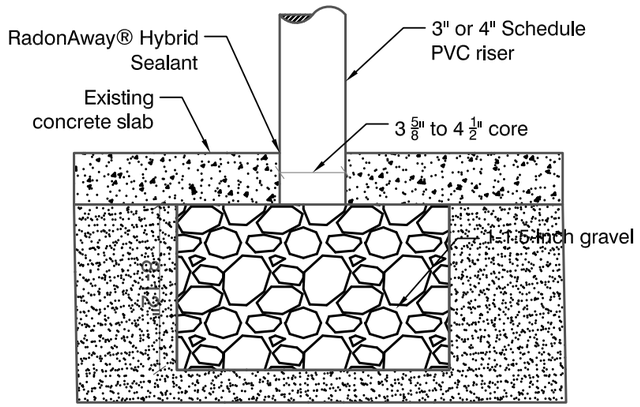
PROCESS FLOW DIAGRAM - SIDEWALL VIEW - Unit #2

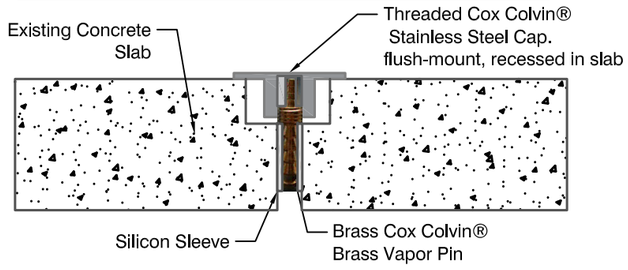
200 East Main Street
Mount Kisco, NY

PE/PG	Site Number	Figure
DB	C360183	7
Project Manager: DB	Drafter: DT	Date:

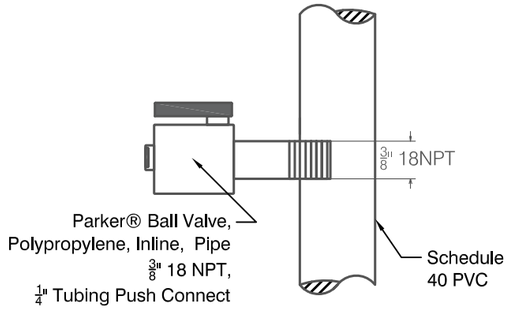
DETAIL 1 - SSDS EXTRACTION WELL DESIGN



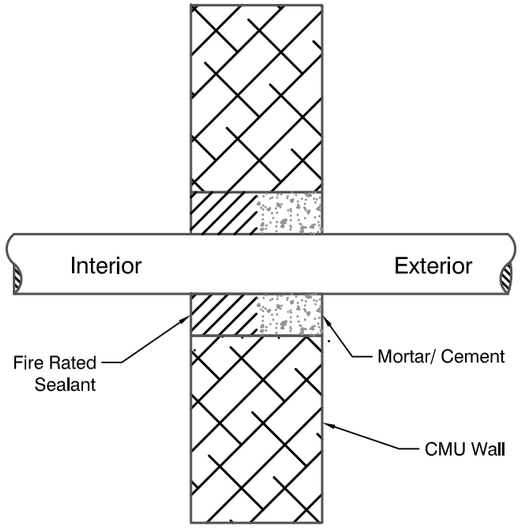
DETAIL 2 - VACUUM MONITORING POINT DESIGN



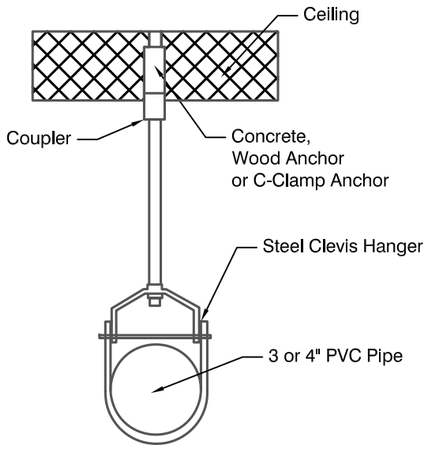
DETAIL 3 - SAMPLE PORT INSTALLATION



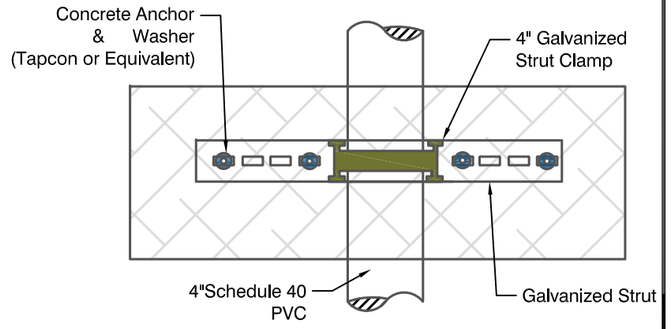
DETAIL 4 - EXTERIOR WALL PIPE PENETRATION



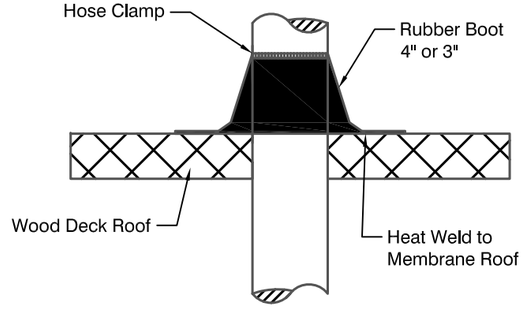
DETAIL 5 - TYPICAL HANGER



DETAIL 6 - EXTERIOR WALL PIPE MOUNTING



DETAIL 7 - ROOF PENETRATION DETAIL



GENERAL INSTALLATION NOTES

1. ALL PVC JOINTS SHALL BE SEALED WITH PLUMBERS CEMENT (OR SIMILAR PRODUCT) TO BE APPLIED ACCORDING TO THE MANUFACTURERS SPECIFICATIONS.

2. HORIZONTAL PIPING SHALL BE PITCHED DOWN FROM THE RISER PIPE TOWARDS EXTRACTION WELL AT ~ 1 /8 PER FOOT (1 % SLOPE) TO FACILITATE CONDENSATION DRAINAGE.

3.FANS HARD WIRED BY WESTCHESTER COUNTY LICENSED ELECTRICAL CONTRACTOR IN ACCORDANCE WITH MOUNT KISCO DOB CONSTRUCTION CODE AND ANY OTHER APPLICABLE CODE AND REGULATIONS UTILIZING A HARDWIRED ELECTRICAL CONNECTION WITH A DEDICATED POWER SWITCH AND BREAKER. DEDICATED OUTLET FOR AUDIBLE/ VISUAL ALARM TO BE COORDINATED BY ENGINEER W/ ELECTRICIAN.

4. THE ROOFING CONTRACTOR IS RESPONSIBLE FOR WEATHER-TIGHT PROTECTION OF ROOFING AT ALL TIMES DURING THE WORK.

P.E. Certification/ Seal

Prepared by:

Bellucci Engineering PLLC

Installation Details & Notes

Project

200 East Main Street
Mount Kisco, NY

BCP Site Number			Figure
C360183			8
PE/PG	PM	Drafter	
DB	DT	DB	

Explanation Block

- Riser Roof Penetration Location
- Fan Roof Mount Location
- HVAC Air Handler
- Pipe Location

*Effluent from Unit #2 routed through sidewall and vertically along exterior wall, and terminated 3-feet above roofline

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STATE OF NEW YORK
DANIEL BELLUCCI
099470
LICENSED PROFESSIONAL ENGINEER

Bellucci Engineering PLLC

Roof Installation Plan

Project
200 East Main Street
Mount Kisco, NY

BCP Site Number
C360183

Figure
9

PE/PG
DB

Drafter
DB

TABLES

TABLE 1 -
EXTRACTION WELL DATA- SSDS PILOT TEST - UNITS 2, 3 and 4
200 E. Main Street
Mount Kisco, Westchester County, NY
Site # C360183

Test # / Date	Time	Pump Well Number	Flow Rate (CFM)	Vacuum (in-Hg)	Vacuum (in-H_2O)	Temp (°F)	PID (ppm) Pre-Carbon	PID (ppm) Post-Carbon
Test # 1 2/28/22	15:20	**EW-1**	70	0.662	9.0	64.6	0.4	0.1
	15:40		68	0.736	10.0	63.2	0.3	0.1
	15:50		68	0.699	9.5	63.9	0.3	0.1
Average			69	0.699	9.5	63.9	0.3	0.1
Test # 2 3/1/22	7:30	**EW-4**	78	0.294	4.0	66.2	0.0	0.0
	7:50		78	0.331	4.5	66.2	0.0	0.0
	8:00		82	0.331	4.5	66.1	0.0	0.0
Average			79	0.319	4.3	66.2	0.0	0.0
Test # 3 3/1/22	9:30	**EW-5**	18	1.103	15.0	66.7	0.1	0.0
	9:40		18	1.103	15.0	65.8	0.1	0.0
	9:50		18	1.103	15.0	65.3	0.1	0.0
Average			18	1.103	15.0	65.9	0.1	0.0
Test # 4 3/1/22	10:30	**EW-6**	65	0.662	9.0	55.4	0.0	0.0
	10:40		79	0.662	9.0	57.6	0.0	0.0
	10:50		76	0.662	9.0	57.6	0.0	0.0
Average			73	0.662	9.0	56.9	0.0	0.0
Test # 5 3/1/22	13:50	**EW-7**	88	0.257	3.5	49.4	0.1	0.0
	14:00		92	0.294	4.0	49.6	0.1	0.0
	14:10		95	0.294	4.0	49.5	0.1	0.0
Average			91	0.282	3.8	49.5	0.1	0.0
Test # 6 3/1/22	14:40	**EW-8**	92	0.221	3.0	48.4	0.1	0.0
	14:50		96	0.221	3.0	48.5	0.0	0.0
	15:00		97	0.221	3.0	48.5	0.5	0.0
Average			95	0.221	3.0	48.5	0.2	0.0
Test # 10[1] 3/4/22	8:35	**EW-10**	57	0.883	12.0	60.2	0.0	0.0
	8:45		57	0.883	12.0	57.3	0.1	0.0
Average			57	0.883	12.0	58.8	0.1	0.0
Test # 11[2] 3/4/22	9:30	**EW-6**	N/R[2]	N/R[2]	N/R[2]	N/R[2]	N/R[2]	N/R[2]

Notes:
in-Hg = inches of mercury
in-H_2O = Inches of water
CFM = cubic feet per minute
ppm = parts per million
[1]Test #10 - A 3rd round of data could not be collected as the tenant required the field staff to leave the space as a meeting was taking place at 9:00 am
[2]Test #11 - Conducted to determine if vacuum was present at SG-14. No additonal data was collected as Test #4 included all testing parameters for EW-6.

TABLE 2 -
VACUUM MONITORING POINT DATA - SSDS PILOT TEST - UNITS 2, 3 and 4
200 E. Main Street
Mount Kisco, Westchester County, NY
Site # C360183

Test # / Date	Test Well	Time	Vaccum Response (in-H_2O)													
			SG-1	SG-2	SG-3	SG-4	SG-5	SG-6	SG-7	SG-8	SG-9	SG-10	SG-11	SG-12	SG-13	SG-14
Test #1 2/28/22	EW-1	15:20	NT	NT	NT	NT	NT	NT	-0.005	-0.026	NT	NT	NT	NT	NT	NT
		15:40	NT	NT	NT	NT	NT	NT	-0.005	-0.022	NT	NT	NT	NT	NT	NT
		15:50	NT	NT	NT	NT	NT	NT	-0.003	-0.022	NT	NT	NT	NT	NT	NT
AVERAGE			NT	NT	NT	NT	NT	NT	-0.004	-0.023	NT	NT	NT	NT	NT	NT
Test #2 3/1/22	EW-4	7:30	NT	NT	NT	NT	NT	NT	-0.069	-0.021	NT	NT	NT	NT	NT	NT
		7:50	NT	NT	NT	NT	NT	NT	-0.069	-0.021	NT	NT	NT	NT	NT	NT
		8:00	NT	NT	NT	NT	NT	NT	-0.069	-0.020	NT	NT	NT	NT	NT	NT
AVERAGE			NT	NT	NT	NT	NT	NT	-0.069	-0.021	NT	NT	NT	NT	NT	NT
Test #3 3/1/22	EW-5	9:30	NT	NT	NT	NT	0.000	0.000	-0.003	NT	NT	NT	NT	NT	NT	NT
		9:40	NT	NT	NT	NT	0.000	0.000	-0.003	NT	NT	NT	NT	NT	NT	NT
		9:50	NT	NT	NT	NT	NT[1]	NT[1]	NT[1]	NT	NT	NT	NT	NT	NT	NT
AVERAGE			NT	NT	NT	NT	0.000	0.000	-0.003	NT	NT	NT	NT	NT	NT	NT
Test #4 3/1/22	EW-6	10:30	0.000	NT	NT	NT	0.000	-1.516	NT	NT	NT	NT	NT	NT	NT	NT
		10:40	NT[2]	NT	NT	NT	NT[2]	-1.529	NT	NT	NT	NT	NT	NT	NT	NT
		10:50	NT[2]	NT	NT	NT	NT[2]	-1.525	NT	NT	NT	NT	NT	NT	NT	NT
AVERAGE			0.000	NT	NT	NT	0.000	-1.523	NT	NT	NT	NT	NT	NT	NT	NT
Test #5 3/1/22	EW-7	13:50	0.000	-0.146	-0.008	-0.021	NT	NT	NT	NT	NT	NT	NT	NT	-0.010	NT
		14:00	-0.001	-0.158	-0.011	-0.023	NT	NT	NT	NT	NT	NT	NT	NT	-0.013	NT
		14:10	0.000	-0.152	-0.007	-0.023	NT	NT	NT	NT	NT	NT	NT	NT	-0.010	NT
AVERAGE			0.000	-0.152	-0.009	-0.022	NT	NT	NT	NT	NT	NT	NT	NT	-0.011	NT
Test #6 3/1/22	EW-8	14:40	-0.040	-0.001	0.000	-0.034	NT	0.000	NT	NT	NT	NT	NT	NT	NT	NT
		14:50	-0.032	0.000	0.000	-0.034	NT	NT[2]	NT	NT	NT	NT	NT	NT	NT	NT
		15:00	-0.034	NT[2]	NT[2]	-0.033	NT	NT[2]	NT	NT	NT	NT	NT	NT	NT	NT
AVERAGE			-0.035	0.000	0.000	-0.034	NT	0.000	NT	NT	NT	NT	NT	NT	NT	NT
Test #10 3/4/22	EW-10	8:35	NT	NT	NT	NT	-0.035	0.000	NT	NT	NT	NT	NT	NT	NT	NT
		8:45	NT	NT	NT	NT	-0.040	0.000	NT	NT	NT	NT	NT	NT	NT	NT
AVERAGE			NT	NT	NT	NT	-0.038	0.000	NT	NT	NT	NT	NT	NT	NT	NT
Test #11 3/4/22	EW-6	9:30	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	-0.032
AVERAGE			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	-0.032

Notes:

in-H_2O = Inches of water

Vacuum monitoring point measurements taken with Infiltec DMI Micro Manometer with a detection limit of 0.001 inches of

NT - Not tested. Only selected points were tested during each pilot test based on anticpated ROI and the building layout.

NT^1 -A 3rd round of data could not be collected as the tenant was entering the space at 10:00 am.

NT^2 -Vacuum was not anticipated at this location. Accordingly, only 1-2 rounds of readings were collected if the initial rounds did not indicate vacuum.

Average vacuum greater than target value of -0.025 in-H_2O

Average vacuum less than target value of -0.025 in-H_2O but greater than 0.000 in-H_20

TABLE 3
MASS REMOVAL CALCULATIONS -LABORATORY ANALYTICAL DATA - UNITS 2, 3 and 4
200 E. Main Street
Mount Kisco, Westchester County, NY
Site # C360183

Sample Location	Sample Starting Period	Sample Ending Period	Sample Duration (minutes)	Average Flow Rate (CFM)	Temp. (°F)	Temp. (R)	In-Hg	Atm. (Relative)	Atm. (Corrected)	V=nRT/p	lb mole	Volume of Removed Soil Vapor (CF)	PCE (ppmv)	TCE (ppmv)	cis-1,2-DCE (ppmv)	PCE Mass Removed (lbs)	TCE Mass Removed (lbs)	cis-1,2-DCE Mass Removed (lbs)	Total Mass Removed (lbs)
EW-1	2/28/22 13:50 PM	2/28/22 14:20 PM	30	68.7	63.9	523.9	0.699	0.023	0.977	391.7	0.00255	2060	0.07670	0.00009	0.00000	6.69E-05	6.22E-08	0.00E+00	6.69E-05
EW-4	3/1/22 7:30 AM	3/1/22 8:00 AM	30	79.3	66.2	526.2	0.319	0.011	0.989	388.3	0.00258	2378	0.10319	0.00012	0.00000	1.05E-04	9.65E-08	0.00E+00	1.05E-04
EW-5	3/1/22 9:20 AM	3/1/22 9:50 AM	30	18.1	65.9	525.9	1.103	0.037	0.963	398.7	0.00251	542.2931	0.20639	0.00017	0.00000	4.65E-05	3.04E-08	0.00E+00	4.66E-05
EW-6	3/1/22 10:20 AM	3/1/22 10:50 AM	30	73.5	56.9	516.9	0.662	0.022	0.978	386.0	0.00259	2203.98	0.11204	0.00030	0.00000	1.06E-04	2.25E-07	0.00E+00	1.06E-04
EW-7	3/1/22 13:40 PM	3/1/22 14:10 PM	30	91.5	49.5	509.5	0.282	0.009	0.991	375.6	0.00266	2744.255	0.14742	0.00022	0.00000	1.79E-04	2.11E-07	0.00E+00	1.79E-04
EW-8	3/1/22 14:30 PM	3/1/22 15:00 PM	30	95.1	48.5	508.5	0.221	0.007	0.993	374.0	0.00267	2851.705	0.44226	0.00056	0.00000	5.59E-04	5.61E-07	0.00E+00	5.60E-04
EW-10	3/4/22 8:25 AM	3/4/22 8:55 AM	30	57.0	60.2	520.2	0.883	0.030	0.970	391.4	0.00255	1710.115	0.05160	0.00005	0.00000	3.74E-05	2.87E-08	0.00E+00	3.74E-05
Total			210									14,490				**1.10E-03**	**1.22E-06**	**0.00E+00**	**1.10E-03**
												Mass Removal Rate (lbs/day)							**7.55E-03**

Notes:

V=nRT/p *Where: V = volume of the gas; P = pressure of the gas; n = 1 lb-mole; R = Ideal Gas Constant (0.7302); T = Absolute Temperature (°F+460)*

Mass Removed = [(1 / Volume of gas) x (time elapsed) x (Flow) x (Concentration CVOC) x (molecular weight CVOC)] / $1x10^{6}$

Molecular weights (g/mole): PCE 165.83, TCE 131.39, cis-1,2-DCE 96.94

CFM = cubic foot per minute

ppmv = parts per million by volume

lbs = pounds

1-in-Hg = 0.033421 atm

TABLE 4
AERSCREEN Model Input and Output Data
200 E. Main Street
Mount Kisco, Westchester County, NY
Site # C360183

Vacant (Unit #2)							
Compound	**Projected System Flow (CFM)**	**Average Temp. (°F)**	**Pilot Test Mass Removed (lbs/Hr)**	**Maximum 1-Hour Concentration (AERSCREEN Model Output)**	**ACG**	**SCG**	**Exceeds ACG/SCG?**
PCE	270	49.0	1.65E-03	0.394	3.8	300	No
TCE	270	49.0	1.76E-06	0.000421	0.21	20	No
Cis-1,2-DCE	270	49.0	0.00E+00	N/A	63	~	No

Leicht Kitchen (Unit #3)							
Compound	**Projected System Flow (CFM)**	**Average Temp. (°F)**	**Pilot Test Mass Removed (lbs/Hr)**	**Maximum 1-Hour Concentration (AERSCREEN Model Output)**	**ACG**	**SCG**	**Exceeds ACG/SCG?**
PCE	151	60.3	3.80E-04	0.361	3.8	300	No
TCE	151	60.3	5.68E-07	0.00054	0.21	20	No
Cis-1,2-DCE	151	60.3	0.00E+00	N/A	63	~	No

Le Colllage (Unit #4)							
Compound	**Projected System Flow (CFM)**	**Average Temp. (°F)**	**Pilot Test Mass Removed (lbs/Hr)**	**Maximum 1-Hour Concentration (AERSCREEN Model Output)**	**ACG**	**SCG**	**Exceeds ACG/SCG?**
PCE	150	65.3	3.43E-04	0.326	3.8	300	No
TCE	150	65.3	3.17E-07	0.000301	0.21	20	No
Cis-1,2-DCE	150	65.3	0.00E+00	N/A	63	~	No

Combined Model (Units 2, 3 & 4)							
Compound	**Projected System Flow (CFM)**	**Average Temp. (°F)**	**Pilot Test Mass Removed (lbs/Hr)**	**Maximum 1-Hour Concentration (AERSCREEN Model Output)**	**ACG**	**SCG**	**Exceeds ACG/SCG?**
PCE	571	60.0	2.38E-03	2.26	3.8	300	No
TCE	571	60.0	2.64E-06	0.00251	0.21	20	No
Cis-1,2-DCE	571	60.0	0.00E+00	N/A	63	~	No

Notes

Projected flow rates based on pilot testing data and the proposed SSDS fan.

Temperature readings are an average of pilot testing extracted vapor temperatures

Mass removed is based on laboratory analytical data.

Each pilot test was run for an approximate 30 minute duration. Table 4 includes the projected mass removal during each 30 minute pilot test. Those values were multiplied by 2 for AERSCREEN modeling in lbs/hour.

Qualifiers

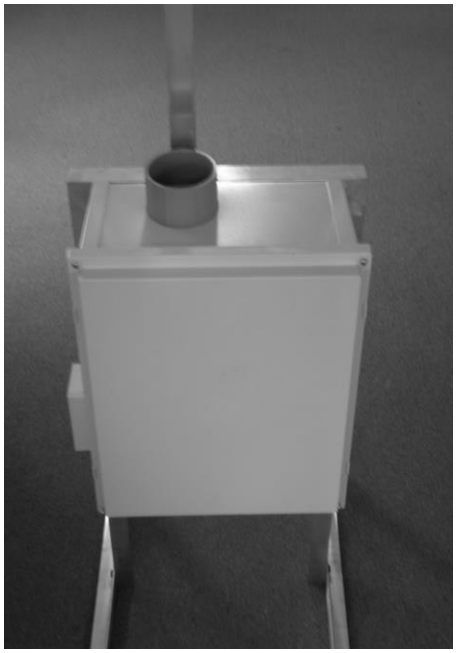
For Vacant Unit #2, a worst case scenario was used for the new proposed extraction well by utilizing data for EW-8 where the higest concentrations were observed within that tenant space.

APPENDIX A
EQUIPMENT & MATERIALS SPECIFICATIONS SHEETS

THE OBAR GBR76

COMPACT RADIAL BLOWER

Based on 25 years of experience and 2 years of research and development, the patent pending GBR series of compact radial blowers provide the perfect combination of performance and design.



GBR76 WITH ROOF MOUNT

PERFORMANCE

- GBR76 SOE 16" WC @ 0 Max flow 155 CFM.
- GBR76 UD 40" WC @ 0 Max flow 195 CFM.
- Built in speed control to customize performance.
- Condensate bypass built in.
- 12 month warranty - 40,000 hr sealed bearings.

DESIGN

- Our modular design means the blower and manifold assembly can be removed and replaced as a unit. This makes repairs cost effective and easy and allows contractors to upgrade systems simply by swapping assemblies.
- The GBR series is based on a bypass blower designed to handle combustible materials.
- The housing is not required to be air tight, so you can add gauges and alarms without compromising the system.
- Built in condensate bypass.
- Built in speed control.
- Quick disconnect electrical harness.
- All UL listed components including UL listed enclosure for outside use.
- Wall fastening lugs included.
- GBR series roof and wall mounts available to quickly configure the blowers for your installation while providing a custom built look.
- Compact design 16"x 14"x 8" weighing only 18 lbs.
- 3" schedule 40 inlet and exhaust.
- Universal Drive model accepts voltage from 120-240V without alteration

COST	GBR76 SOE	GBR76 UD
COMPLETE UNIT	**$1289.00**	**$1489.00**
3 YEAR WARRANTY	**$450.00**	**$550.00**

OBAR SYSTEMS INC 2969 ROUTE 23 SOUTH NEWFOUNDLAND NJ 07435 800 949 6227

GBR76 SOE	0”	2”	4”	6”	8”	10”	12”	16”	Wattage
SOE 16	150	140	129	118	105	90	75	35	150-320
SOE 12	125	115	100	83	62	39	0		110-200
SOE 8	105	90	70	42	0				60-120
SOE 4	75	50	0						37-50

GBR SOE performance using built in potentiometer set at sealed vacuums of 16, 12, 8, and 4” WC

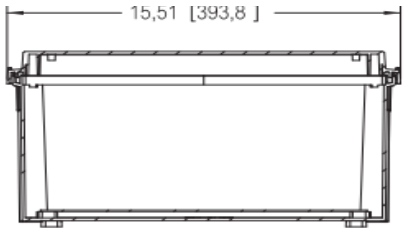
GBR76 UD	0”	10”	20”	30”	37”	Wattage
110V	195	158	118	63	20	700-870
220V	197	162	130	89	50	800-1100

Blower Specifications

Notes:

- **Input Voltage Range:** 108-132 Volts AC RMS, 50/60 Hz, single phase.
- **Input Current:** 6 amps AC RMS
- **Operating Temperature (Ambient Air and Working Air):** 0°C to 50°C
- **Storage Temperature:** -40°C to 85°C
- **Dielectric Testing:** 1500 Volts AC RMS 60 Hz applied for one second between input pins and ground, 3mA leakage maximum.
- **Speed Control Methods:** PWM (Pulse Width Modulation) (1 kHz to 10 kHz)
  0 to 10 VDC speed control.
  Mechanical: A potentiometer is available for speed control of the blower. The potentiometer can be preset for a specific speed. Access for speed adjustment located in motor housing.
- **Approximate Weight:** 4.8 Lbs. / 2.2 Kg
- **Regulatory Agency Certification:** Underwriters Laboratories Inc. UL507 Recognized under File E94403 and compliant under the CE Low Voltage Directive 2006/95/EC.
- **Design Features:** Designed to provide variable airflow for low NOx & CO emission in high efficiency gas fired combustion systems. Built with non-sparking materials. Blower housing assembly constructed of die cast aluminum. Impeller constructed from hardened aluminum. Rubber isolation mounts built into blower construction to dampen vibration within the motor. Two piece blower housing assembly sealed with O-ring gasket for combustion applications. Customer is responsible to check for any leakage once the blower is installed into the final application.
- **Miscellaneous:** Blower inlet, discharge, and all motor cooling inlet and discharge vents must not be obstructed. Motor ventilation air to be free of oils and other foreign particles, (i.e. breathing quality air). Blower is to be mounted so ventilation air cannot be re-circulated.
  POWER CONNECTION: Blower connector, AMP Universal MATE-N-LOK, part no. 1-350943-0.
  SPEED CONNECTION: Blower connector, Molex Mini-Fit Jr., part no. 39-30-3056.
  Mating harnesses available upon request.

Enclosure Specifications



Screw cover

Ratings:

Ingress Protection (EN 60529): 66/67

Electrical insulation: Totally insulated

Halogen free (DIN/VDE 0472, Part 815): yes

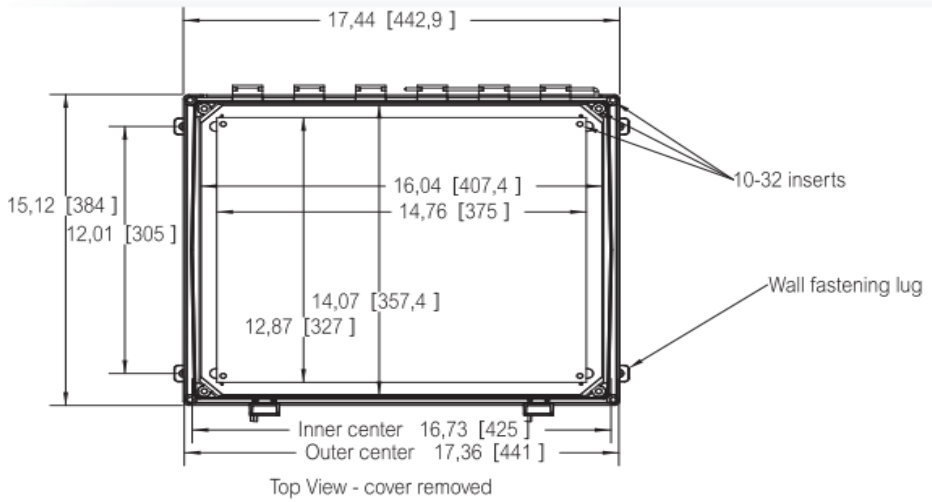
UV resistance: UL 508

Flammability Rating (UL 746 C 5): complies with UL 508

Glow Wire Test (IEC 695-2-1) °C: 960

NEMA Class: UL Type 4, 4X, 6, 6P, 12 and 13

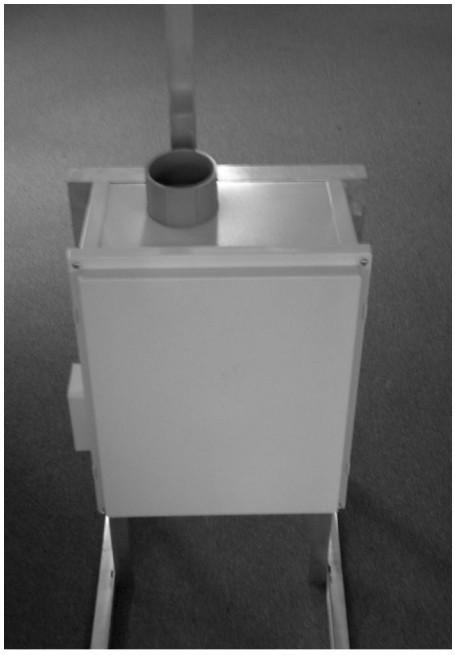
Certificates: Underwriters Laboratories



Top View - cover removed

THE OBAR GBR89
COMPACT RADIAL BLOWER

Based on 25 years of experience and 2 years of research and development, the patent pending GBR series of compact radial blowers provide the perfect combination of performance and design.



GBR89 WITH ROOF MOUNT

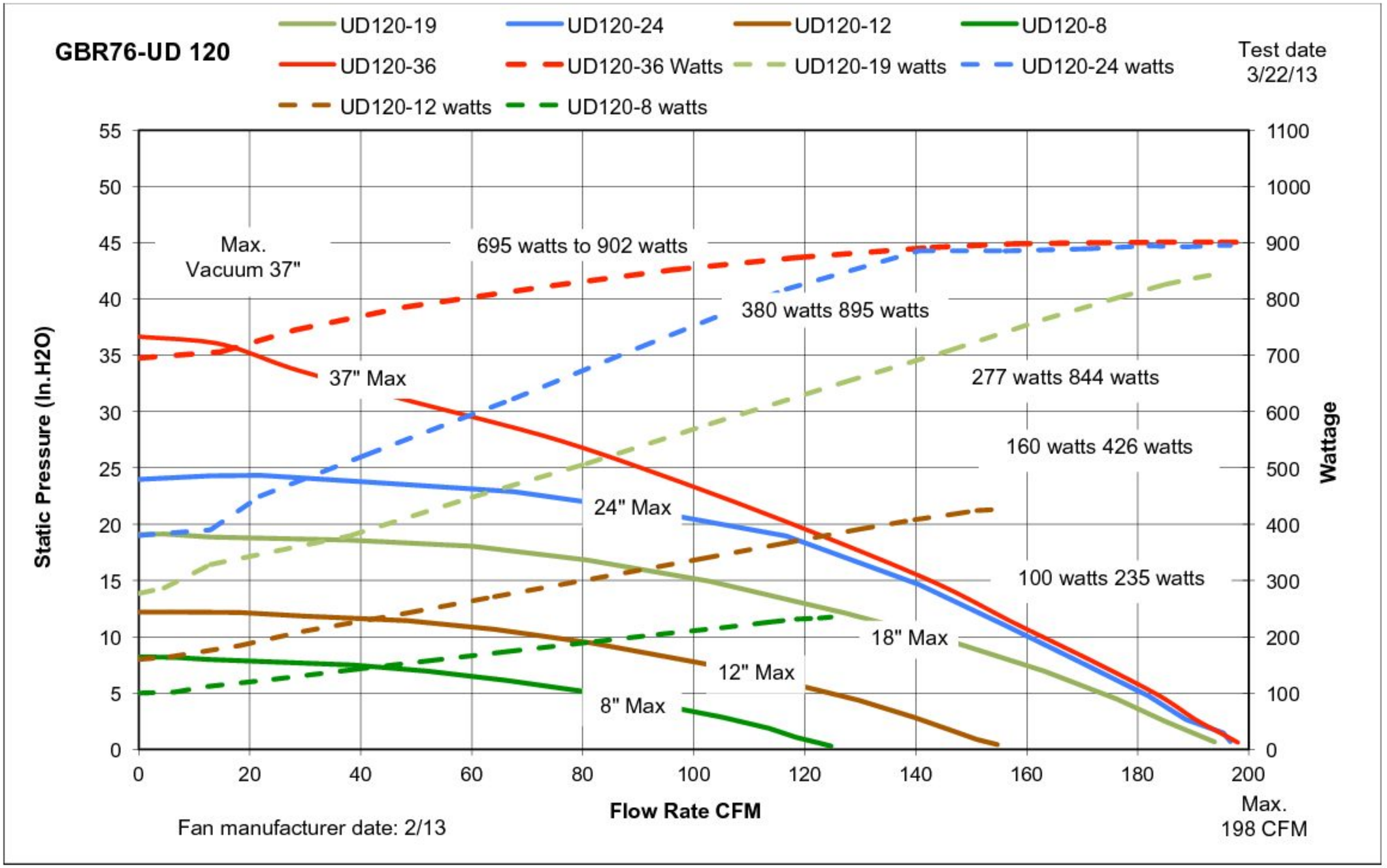
PERFORMANCE

- GBR89 HA 14" WC at 100CFM max flow 500 CFM.
- Built in speed control to customize performance.
- Condensate bypass built in.
- 12 month warranty 40,000 hr sealed bearings.

DESIGN

- Our modular design means the blower and manifold assembly can be removed and replaced as a unit. This makes repairs cost effective and easy and allows contractors to upgrade systems simply by swapping assemblies.
- The GBR series is based on a bypass blower designed to handle combustible materials.
- The housing is not required to be air tight so you can add gauges and alarms without compromising the system.
- Built in condensate bypass.
- Built in speed control.
- Quick disconnect electrical harness.
- All UL listed components including UL listed enclosure for outside use.
- Wall fastening lugs included.
- GBR series roof and wall mounts available to quickly configure the blowers for your installation while providing a custom built look.
- Compact design 18"x 16"x 10" weighing only 18 lbs.
- 4" schedule 40 inlet and 6" schedule 40 exhaust.

1. COST	**GBR89 HA**
COMPLETE UNIT	**$1,789.00**
3 YEAR WARRANTY	**$650.00**


GBR76-UD 120
UD120-19
UD120-24
UD120-12
UD120-8
UD120-36
UD120-36 Watts
UD120-19 watts
UD120-24 watts
UD120-12 watts
UD120-8 watts
Test date
3/22/13
Max.
Vacuum 37"
695 watts to 902 watts
380 watts 895 watts
277 watts 844 watts
160 watts 426 watts
100 watts 235 watts
37" Max
24" Max
18" Max
12" Max
8" Max
Static Pressure (In.H2O)
Wattage
Flow Rate CFM
Max.
198 CFM
Fan manufacturer date: 2/13

Enclosure Specifications

Rating:

Ingress Protection (EN 60529): 66/67

Electrical insulation: Totally insulated

Halogen free (DIN/VDE 0472, Part 815): yes

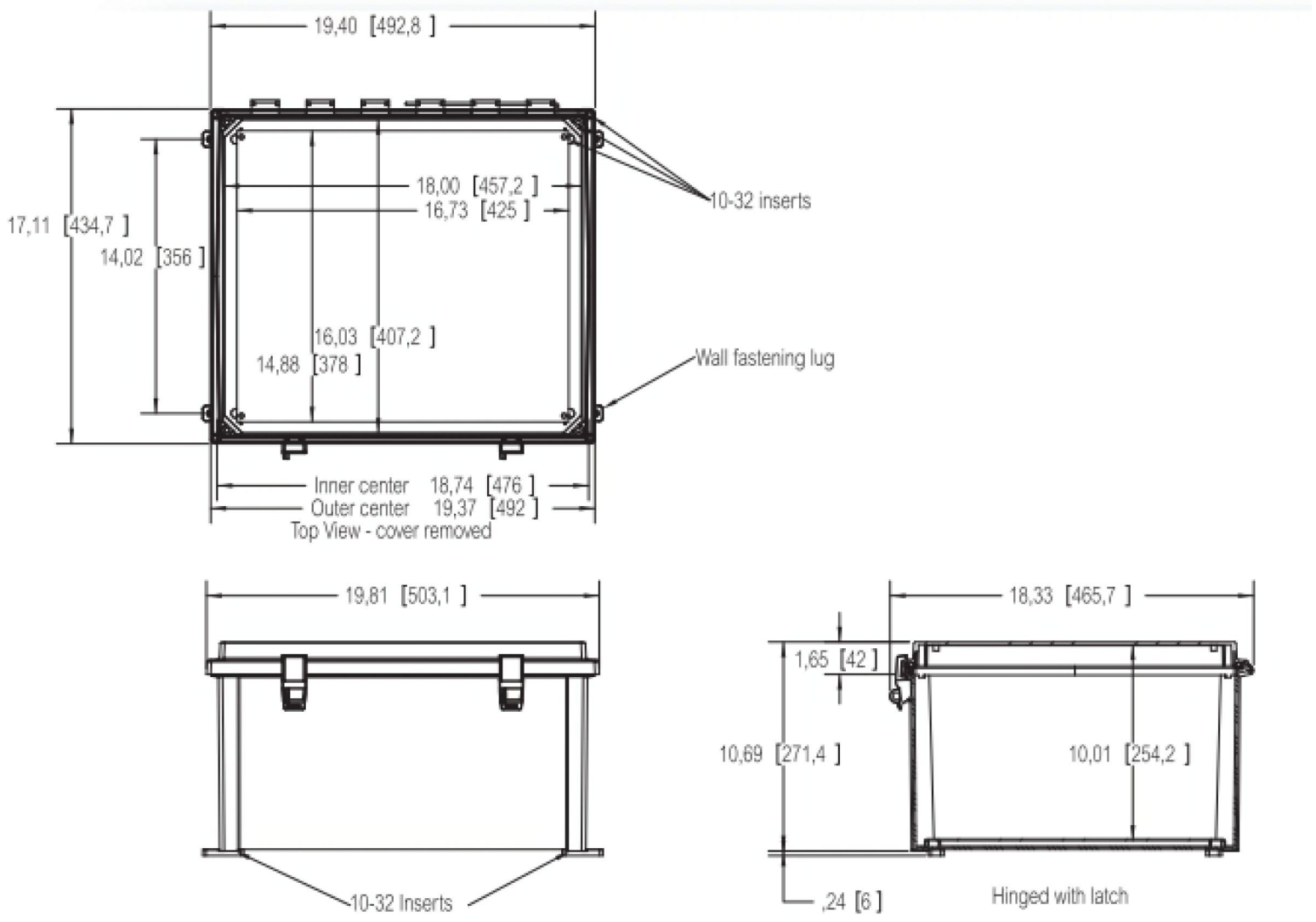
UV resistance: UL 508

Flammability Rating (UL 746 C 5): complies with UL 508

Glow Wire Test (IEC 695-2-1) °C: 960

NEMA Class: UL Type 4, 4X, 6, 6P, 12 and 13

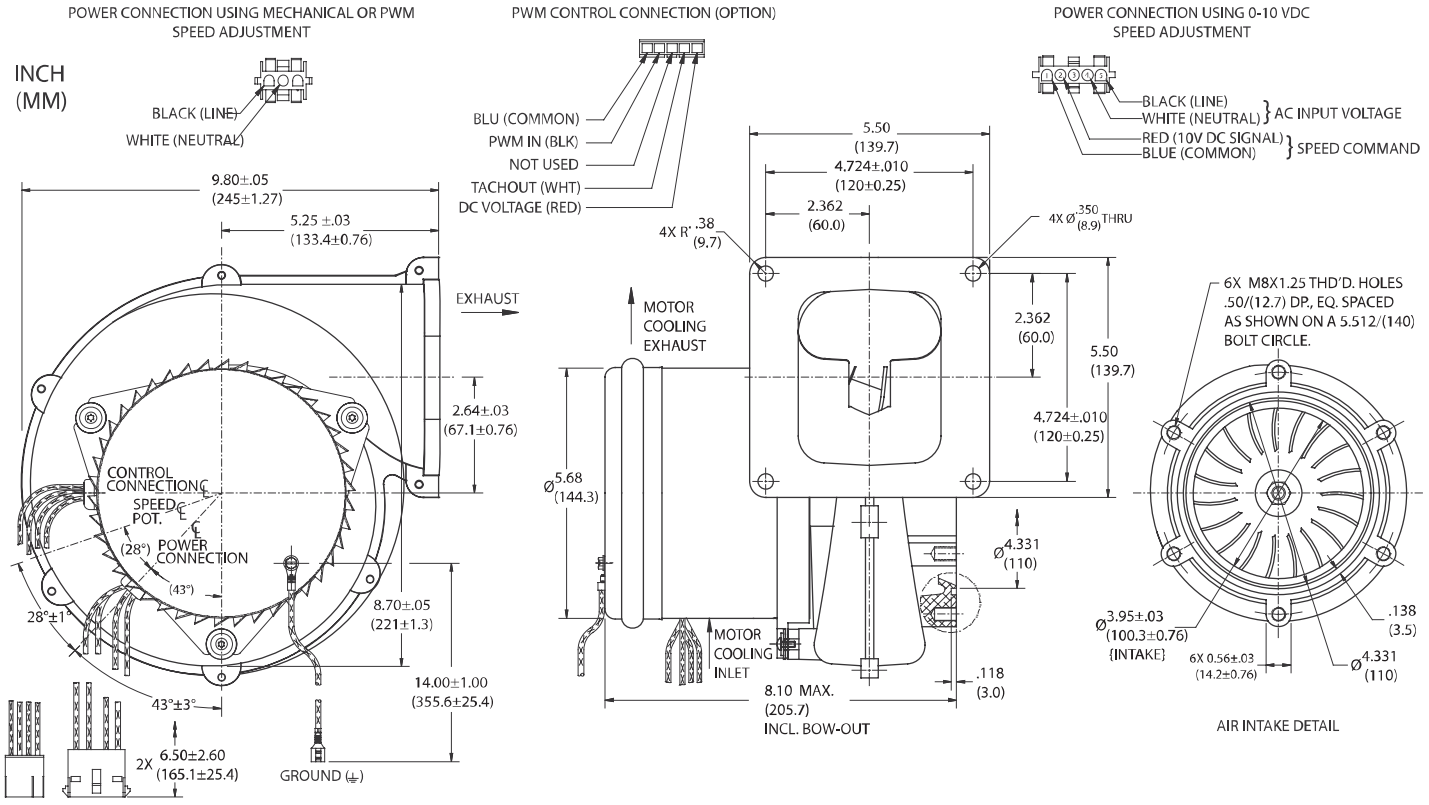
Certificates: Underwriters Laboratories



High Voltage Brushless DC Blowers

Nautilair (TM) 8.9" (226mm) Variable Speed Blower

240 Volt AC Input, Single Phase, High Output



		Part/ Model Number		
Specification	Units	150240	150241	150242
Speed Control	-	Mechanical	0-10 VDC	PWM

Notes:

- **Input Voltage Range:** 216 - 264 Volts AC RMS, 50/60 Hz, single phase.
- **Input Current:** 10 amps AC RMS
- **Operating Temperature (Ambient Air and Working Air):** 0°C to 50°C
- **Storage Temperature:** -40°C to 85°C
- **Dielectric Testing:** 1800 Volts AC RMS 60 Hz applied for one second between input pins and ground, 3mA leakage maximum.
- **Speed Control Methods:** PWM (Pulse Width Modulation). Speed control input signal of 15 - 45 VDC @ 500 Hz - 10 kHz, and tachometer output (2 Pulses / Revolution).
  Optional tachometer output (3 Pulses / Revolution).
  0 to 10 VDC with a speed control input current of 5 mA to 20 mA at 10 VDC Input with multi-turn potentiometer set to minimum resistance (fully clockwise).
  Mechanical: A potentiometer is available for speed control of the blower. The potentiometer can be preset for a specific speed. Access for speed adjustment located in motor housing.
  4-20mA speed control available.
- **Approximate Weight:** 9.3 Lbs. / 4.2 Kg.
- **Option Card available for Customization**
- **Regulatory Agency Certification:** Underwriters Laboratories Inc. UL507 Recognized under File E94403 and CSA C22.2#133 under File LR43448
- **Design Features:** Designed to provide variable airflow for low NOx & CO emission in high efficiency gas fired combustion systems. Built with non-sparking materials. Blower housing assembly constructed of die cast aluminum. Impeller constructed from hardened aluminum. Rubber isolation mounts built into blower construction to dampen vibration within the motor. Two piece blower housing assembly sealed with O-ring gasket for combustion applications. Customer is responsible to check for any leakage once the blower is installed into the final application.
- **Miscellaneous:** Blower inlet, discharge, and all motor cooling inlet and discharge vents must not be obstructed. Motor ventilation air to be free of oils and other foreign particles, (i.e. breathing quality air). Blower is to be mounted so ventilation air cannot be re-circulated.
  POWER CONNECTION (3 CAVITY): Blower connector, AMP Universal MATE-N-LOK, part no. 1-480701-0.
  POWER CONNECTION (5 CAVITY): Blower connector, AMP Universal MATE-N-LOK, part no. 350810-1.
  SPEED CONNECTION (5 CAVITY): Blower connector, Molex Mini-Fit Jr., part no. 39-01-4057.
  Mating harnesses available upon request.

AMETEK TECHNICAL & INDUSTRIAL PRODUCTS
627 Lake Street, Kent OH 44240
USA: +1 215-256-6601 - Europe: +44 (0) 845 366 9664 - Asia: +86 21 5763 1258
www.ametektip.com

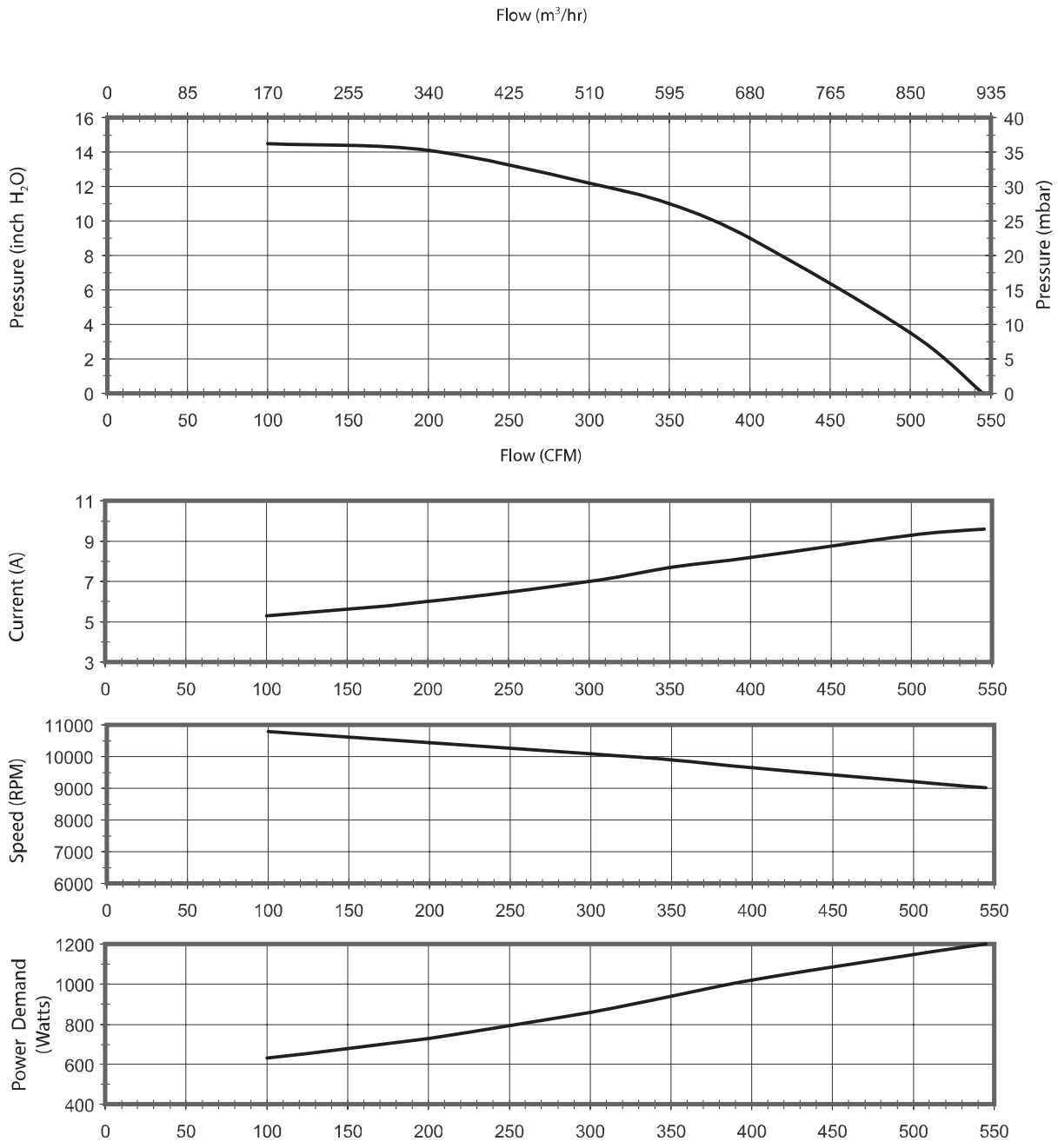
AMETEK
PRECISION MOTION CONTROL

Nautilair (TM) 8.9" (226mm) Variable Speed Blower

Nautilair

240 Volt AC Input, Single Phase, High Output

Typical Performance



Data presented represents blower performance at STANDARD AIR DENSITY, .075 lb/ft³ (29.92" Hg, Sea Level, 68° F)
Vacuum performance available upon request.

AMETEK TECHNICAL & INDUSTRIAL PRODUCTS
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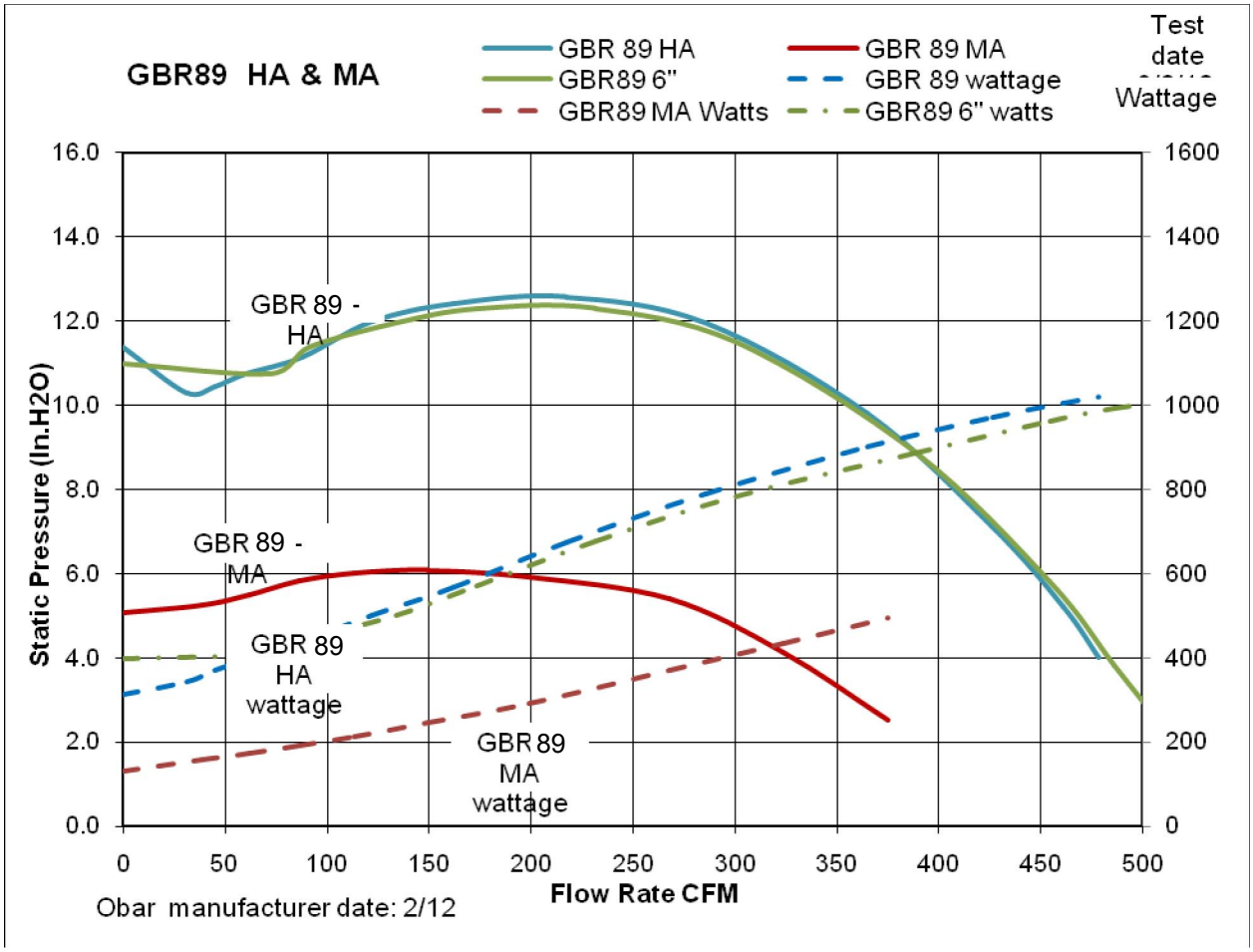
www.ametektip.com

AMETEK
PRECISION MOTION CONTROL

GBR89 HA tested at full voltage with 8 feet of 4" inlet (Blue Lines) and 6" Inlet (Green lines)

Maximum airflow with no exhaust piping and 8' of 6" piping is 529 CFM

GBR89 MA tested with speed control set to half the wattage consumption (Red Line)



GBR 25 Mini Digital Differential Pressure Gauge With Alarm

System alarms and monitoring made simple and affordable.

Finally a product that has what you need and can be easily installed.
The GBR 25 is a compact stand alone system gauge with an audible and visual alarm that works for VOC and Radon systems operating at system pressures greater than 2" wc. Included is a second relay that can be used to trigger additional alarms.
Includes Power supply
Optional 4-20 MA or 0-10 outputs can be used to monitor system pressure.

Contact OBAR for a quote to build custom alarm panels for your needs.

Applications and features

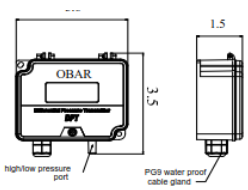
- Scale 0-40 inches WC eliminates need for multiple gauges.
- Visual and audible alarm included and factory set at 1" WC The alarm set point can be changed in the field.
- Second adjustable relay for triggering additional alarms.
- Optional 4-20 MA or 0-10 output for data.
- Accuracy is up to ±1% FS, with large LCD display.
- Function keys: zero reset, units select, display update time, automatic sleep time, alarm, etc.

Specifications

Medium: Non-combustible, non-corrosive air, insensitive to moisture, dust, condensation and oil
Working Temp.: 20~70°C
Medium Temp.: 0~60°C
Temp. Compensation: 0~50°C
Working Pressure: overload 10xFS, burst 15xFS
Display: 5 bits LCD, with engineering unit & backlight
Output: 0-10V / 4-20mA (3 wires)
Output load: ≤500Ω (current), ≥2KΩ (voltage)
Relay Output: 2×SPST, 3A/30VDC, 3A/250VAC or 1xBuzzer
Accuracy: up to ±1.0%FS(±2.0%FS@25Pa range)
Long term stability: ±0.5%FS /Year
Thermal effect: <0.05%FS/°C (zero), <0.08%FS/°C(FS)
Power type 16~28VDC/AC
24V Power Supply included
Process Connection: 5mm ID tubing, two pairs (left/back)
Keys: 3 touch buttons
Protection: IP54
Approval: CE
Display update time: selectable for 0.5/1/5/10s (default 1s)

Other OBAR products you may be interested in.

DPT(DPT-F Flush Mount) Differential Pressure Transmitter



Pricing: $125 per unit

Add $20 for 4-20 mA / 0-10V version

Custom options and bulk order pricing available. Call or email for details.

OBAR Systems, Inc. **800-949-OBAR** **wholesale@obarsystems.com**

Roll over image to zoom.

Product Image Feedback

DWYER

Differential Pressure Gauge: 15 to 0 to 15 in wc, Dual Single-Side or Back, 1/8 in NPT Female

Item # 1W465
UNSPSC # 41112403
Mfr. Model # 2330
Catalog Page # 575

Country of Origin USA. Country of Origin is subject to change.

Compare this product

Technical Specs

Item	Differential Pressure Gauge
Process Connection Gender	Female
Process Connection Location	Dual Side or Back
Process Connection Size	1/8 in
Process Connection Type	NPT
Hazardous Location Rating	Not Rated
Nominal Dial Size	4 in
Accuracy	+/-2.0%
Maximum Working Static Pressure	80 psig
Pressure Range	15 to 0 to 15 in wc
Series	2000 Magnehelic, Magnehelic
Sensor Material	Silicone Rubber
Pressure Gauge Type	Differential Pressure Gauge
Gauge Case Material	Aluminum
IP/NEMA Rating	IP67
Compatible Process Media	Cleanroom
Rated Total Pressure	-20 in Hg to 15 psi
Application	Clean Rooms, Fan Pressure Indication, Filtration Monitoring, Flow Measurement, HVAC/R, Vacuum Applications
Accuracy Details	+/-2% (-HA model +/-1) of FS, +/-3% (-HA +/-1.5%) on -0, -100PA, -125PA, -10MM, +/-4% (-HA +/-2%) on -00, -60PA, -6MM ranges throughout range at 70 Degrees F (21.1 Degrees C).
Adjustable Set Points	No
Ambient Operating Temperature Range	20 Degrees to 140 Degrees F
Bezel Material	Die Cast Aluminum
Bezel Mounting Type	Flush
Blowout Safety Back	Yes
Bolt Circle Diameter	4.125 in

Case Color	Gray
Case Construction	Corrosion Resistant
Case Depth	1.687 in
Case Diameter	4.75 in
Case Finish	Die Cast
Case Shape	Round
Dial Color	White
Dial Face Material	Plastic
Housing Material	Die Cast Aluminum
Includes	Instructions, Three Mounting Adapters with Screws, Two 1/8 in NPT Plugs, Two 1/8 in NPT to 3/16 in ID Rubber Tubing Adapters
Includes Calibration Certificate	No
Includes Mounting Hardware	Yes
Includes Vent Plug	Yes
Manufacturer Warranty Length	5 yr
Mounting Hardware Included	Flange
Mounting Orientation	Upright Only
Mounting Type	Flush-Mount
Non-Sparking	No
Over-Pressure Limit	1.72 bar
Panel Mount Characteristics	3 L Dia Holes on E Dia Bolt Circle
Panel-Mountable	Yes
Pointer Characteristics	Red Tipped Pointer of Heat Treated Aluminum Tubing is easy to see
Pointer Material	Aluminum
Removable Bezel	No
Sensor Type	Diaphragm
Standards	EU Directive 2011/65/EU (RoHS II)

Technical Specs Feedback

Roll over image to zoom.

Product Image Feedback

PARKER

Ball Valve, Polypropylene, Inline, 2-Piece, Pipe Size 3/8 in, Tube Size 1/4 in

Item # **5UMX8**
Mfr. Model # **LFPP4VMC6**
UNSPSC # **40142613**
Catalog Page # **N/A**

Country of Origin USA. Country of Origin is subject to change.

This ball valve features polypropylene construction. Polypropylene is a durable and flexible thermoplastic polymer. Polypropylene valves are often lightweight and easy to install, and are also resistant to corrosion.

Compare this product

Technical Specs

Item	Ball Valve
Body Material	Polypropylene
Body Style	Inline
General Connection Type	Male NPT
Valve Structure	2-Piece
Pipe Size	3/8 in
Tube Size	1/4 in
Connection Type	MNPT x Push
Port	Full
Max. Pressure	150 psi CWP
Temp. Range	35 Degrees to 200 Degrees F
Ball Material	Polysulfone

Seat Material	EPDM
Stem Type	1-Piece Stem
Handle Type	Lever
Handle Material	Nylon
Stem Material	Polysulfone
Body Seal Material	EPDM
Features	Self-Cleaning
Ball Valve Product Group	Manual
Valve Basic Body Material	Plastic
Standards	FDA and RoHS Compliant, NSF-51 and 61 Certified
Overall Length	2.4 in

Cutlist:

1 1/2"-3/16" Angle

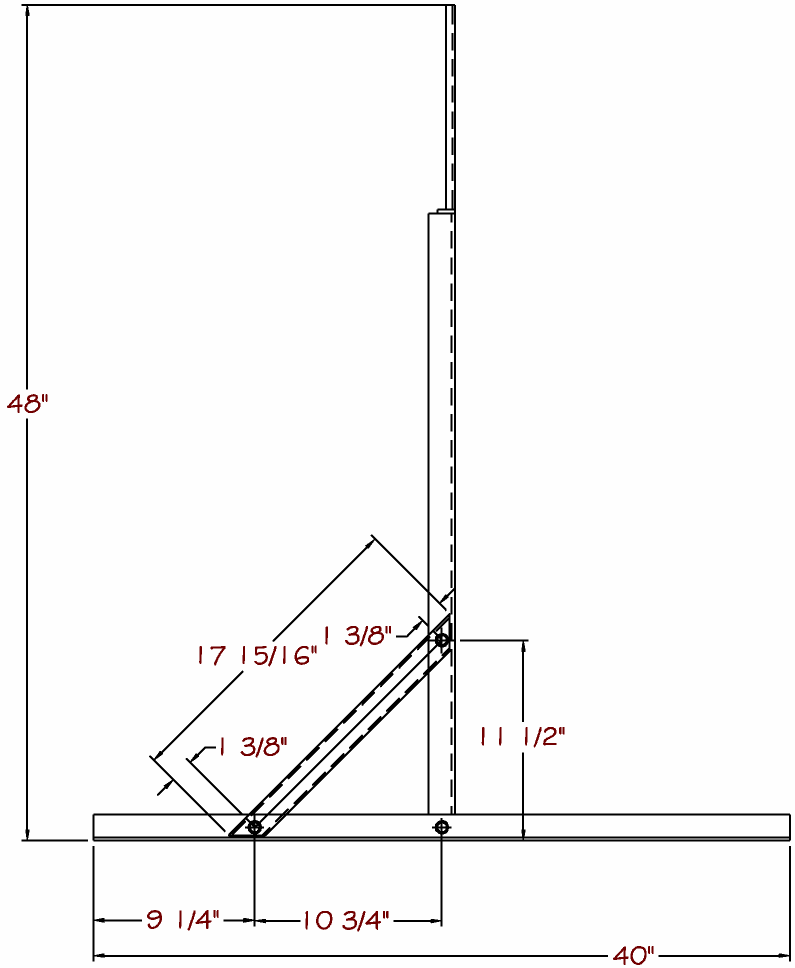
2 pcs. - 40" long square ends

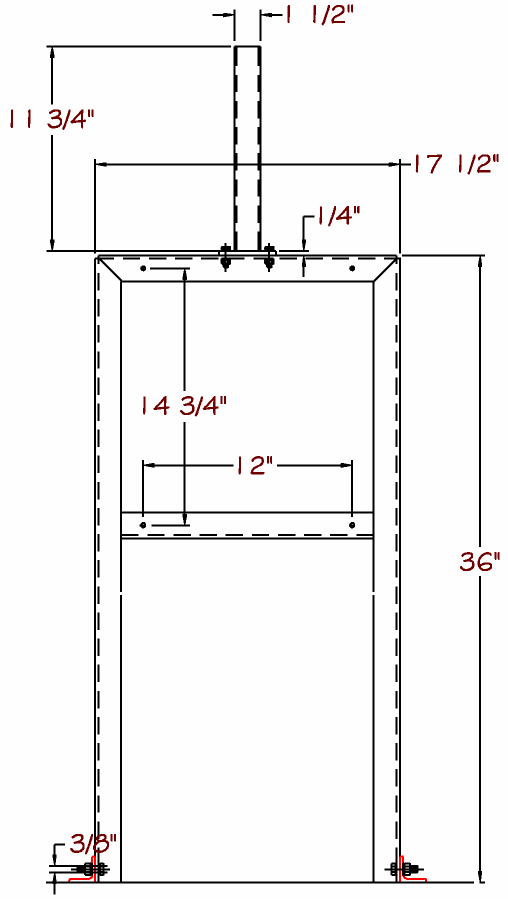
1 pc. - 17 1/8" 45 deg. P-F both ends
1 pc. - 17 1/8" coped both ends
2 pcs - 35 13/16" long 45deg. P-F one end
Note: Left and right on above

1 1/2" x 3/4" - 1/8 " channel

2 pcs. - 17 15/16" long 45 deg P-F both ends

1 pc. - 11 3/4" long Square ends





AWS D1.1 Certified

File Name:	Obar_Systems_2011.dwg
DRAWN by:	Jim Stanlick
CHECKED:	

UNLESS OTHERWISE SPECIFIED:
LINEAR TOLERANCES +/- 1/16"
ANGULAR TOLERANCES +/- 1 °

NOTES:

REV. 1

MATERIALS:
6061 Aluminum

FINISH:
Painted Finish

APPROVAL:

APPROV. FOR PRINTS:	REV.	DATE:	REQ'D:	BY:	DESCRIPTION:

Detail of:
Alum. Frame - Fan Box
Free Standing Unit

Project Name & Location:

Contractor:
OBAR Systems

Architect:

Architect's Drawing Reference:

PRECISION WELDING
"Quality Metal Fabricators"
845 Berkshire Valley Road
Wharton, NJ 07885
(973) 214-1065
(973) 695-1308 eFax
www.precweld.com

Cutlist:

1 1/2"-3/16" Angle

2 pcs. - 16" long sq. ends
2 pcs. - 12" sq. ends
1 pc. - 10 1/2" sq. ends

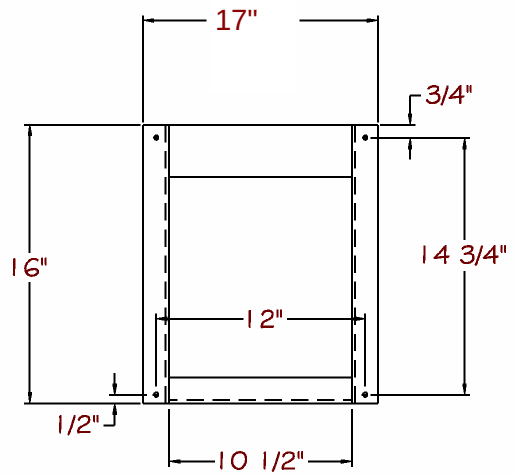
1/4" x 2" FS

4 pcs. - 7 1/4" long

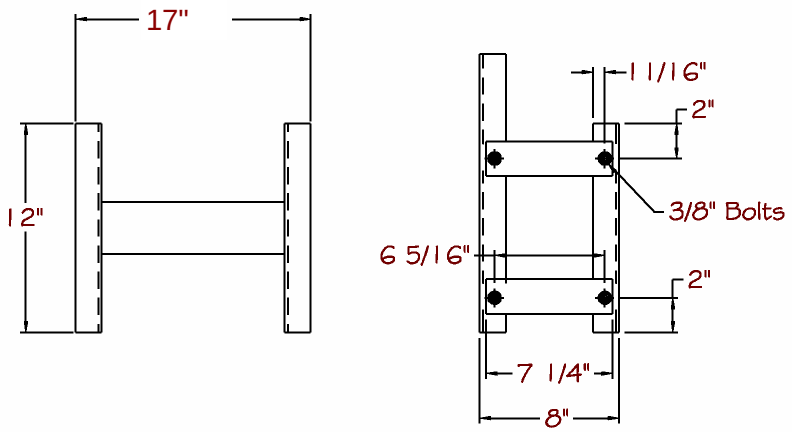
3/16" x 3" FS

2 pcs. - 10 1/2" long

Front Box Mtg. Frame



Rear Wall Mtg. Frame



NOTES:

11/27/11
Revision 1

MATERIALS:
6061 Aluminum

FINISH:
Painted Finish

APPROVAL:

APPROV. FOR PRINTS:	REV.	DATE:	REQ'D:	BY:	DESCRIPTION:

Detail of:
Alum. Frame - Fan Box
Free Standing Unit

Project Name & Location:

Contractor:
OBAR Systems

Architect:

Architect's Drawing Reference:

AWS D1.1 Certified

File Name: Obar_Systems_2011.dwg
DRAWN by: Jim Stanlick
CHECKED:
UNLESS OTHERWISE SPECIFIED:
LINEAR TOLERANCES +/- 1/16"
ANGULAR TOLERANCES +/- 1 °

PRECISION WELDING
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www.precweld.com

DURA-BLOK™ Rooftop Supports

Our DURA-BLOK products gives you a versatile and long-term solution for all your roof top support needs. Designed with flexibility in mind, DURA-BLOK is ideal for roof top support applications such as pipe, HVAC, duct, conduit, cable tray, and roof walkways.

Manufactured to provide years of service in harsh, roof top environments, DURA-BLOK is made from 100% recycled rubber, require no supplemental rubber pads, and will not float or blow away. 1" (25.4) gaps between blocks allow water to flow freely around longer assemblies. For added strength, the DURA-BLOK support channel is through bolted on all sizes. For added visibility, a reflective strip is incorporated on both sides of each DURA-BLOK.

Beyond product durability, DURA-BLOK helps to dampen vibration, are not sharp or abrasive and require no roof penetration to maximize existing roof life - and roof structural and environmental integrity.

Recommended Torque (In channels)

Bolt Size	1/4"-20	5/16"-18	3/8"-16	1/2"-13
Foot/Lbs.	6	11	19	50
Nm	8	15	26	68

Bolt Size	M6x1	M8 x1.25	M10 x 1.5	M12x1.75
Nm	12	17	36	62
Foot/Lbs.	9	13	27	46

Materials & Finishes

See appropriate fitting pages.
Alternative finishes available upon request.

Metric

Metric dimensions are shown in parentheses.
Unless noted, all metric dimensions are in millimeters.

Support Bases Only

- Base only - see chart for height, width and length.
- 100% recycled rubber, UV resistant.
- Load Rating - Ultimate Uniform Load (See Chart Below)*
- DURA-BLOK channel support is designed as an economical support for piping systems, cable tray, HVAC equipment and many other applications. The DURA-BLOK is UV resistant and suitable for any type of roofing material or other flat surfaces. Material effectively accepts screw fasteners for securing accessories.


DBM


DBP

Part No.	Height x Width x Length In.	mm	Wt./Each Lbs.	kg	Load Rating Lbs.	kN
DBM	4" x 6" x 4.8"	(101.6 x 152.4 x 121.9)	2.35	(1.07)	200	(0.89)
DBP	4" x 6" x 9.6"	(101.6 x 152.4 x 243.8)	4.48	(2.03)	500	(2.22)

DB Series - Support Bases with B44 Channel

- Base with 14 ga. (1.9mm) galvanized channel 1" high (25.4mm) - see chart for height, width and length.
- 100% recycled rubber, UV resistant.
- Load Rating - Ultimate Uniform Load (See Chart Below)*
- DURA-BLOK DB-Series channel support is designed for superior support of piping systems, cable tray, HVAC equipment, walkway systems and many other applications. The DURA-BLOK is UV resistant and suitable for installation on any type of roofing material or other flat surfaces. (For pipe straps/clamps, rollers and roller supports that can be used with these DURA-BLOK supports, see page 159)
- For sloped roofs use B634 adjustable hinge fittings (see page 85).


DB10

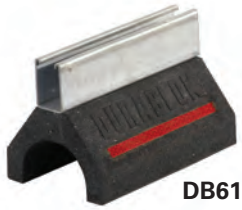

DB20


DB30

Part No.	Height x Width x Length In.	mm	Wt./Each Lbs.	kg	Load Rating Lbs.	kN
DB5	5" x 6" x 4.8"	(127.0 x 152.4 x 121.9)	2.75	(125)	200	(0.89)
DB10	5" x 6" x 9.6"	(127.0 x 152.4 x 243.8)	5.28	(2.39)	500	(2.22)
DB20	5" x 6" x 20.2"	(127.0 x 152.4 x 513.1)	10.63	(4.82)	1000	(4.45)
DB30	5" x 6" x 30.8"	(127.0 x 152.4 x 782.3)	15.99	(7.25)	1500	(6.67)
DB40	5" x 6" x 41.4"	(127.0 x 152.4 x 1051.5)	21.34	(9.68)	2000	(8.89)
DB48	5" x 6" x 52.0"	(127.0 x 152.4 x 1320.8)	26.70	(12.40)	2500	(11.12)

DB6 Series - Support Base with B12 Channel

- Base with 12 ga. (2.6mm) galvanized channel 2 7/16" high (61.9mm) - see chart for height, width and length.
- 100% recycled rubber, UV resistant.
- Load Rating - Ultimate Uniform Load (See Chart Below)*
- DURA-BLOK DB-Series channel support is designed for superior support of piping systems, cable tray, HVAC equipment, walkway systems and many other applications. The DURA-BLOK is UV resistant and suitable for installation on any type of roofing material or other flat surfaces. (For pipe straps/clamps, rollers and roller supports that can be used with these DURA-BLOK supports, see page 159)
- For sloped roofs use B634 adjustable hinge fittings (see page 85).


DB610


DB620


DB630

Part No.	Height x Width x Length In.	mm	Wt./Each Lbs.	kg	Load Rating Lbs.	kN
DB610	6 7/16" x 6" x 9.6"	(163.5 x 152.4 x 243.8)	6.36	(2.88)	500	(2.22)
DB620	6 7/16" x 6" x 20.2"	(163.5 x 152.4 x 513.1)	12.90	(5.85)	1000	(4.45)
DB630	6 7/16" x 6" x 30.8"	(163.5 x 152.4 x 782.3)	19.45	(8.82)	1500	(6.67)
DB640	6 7/16" x 6" x 41.4"	(163.5 x 152.4 x 1051.5)	26.00	(11.79)	2000	(8.89)
DB648	6 7/16" x 6" x 52.0"	(163.5 x 152.4 x 1320.8)	32.55	(14.76)	2500	(11.12)

*** General Note:** Consult roofing manufacturer or engineer for roof load capacity. The weakest point may be the insulation board beneath the rubber membrane.

Reference page 153 for general fitting and standard finish specifications.

DURA-BLOK™ Rooftop Supports

DB10 SERIES
Support Bases with B22 Channel

- Two (2) bases bridged with 12 ga. (2.6mm) galvanized channel 1 5/8" high (41.3mm) - see chart for height, width and length.
- 100% recycled rubber, UV resistant.
- Load Rating: 1000 lbs. (4.45kN) (Uniform Load)*
- DURA-BLOK DB10-Series channel support is designed for superior support of piping systems, cable tray, HVAC equipment, walkway systems and many other applications. The DURA-BLOK is UV resistant and suitable for installation on any type of roofing material or other flat surfaces. (For pipe straps/clamps, rollers and roller supports that can be used with these DURA-BLOK supports, see page 159)

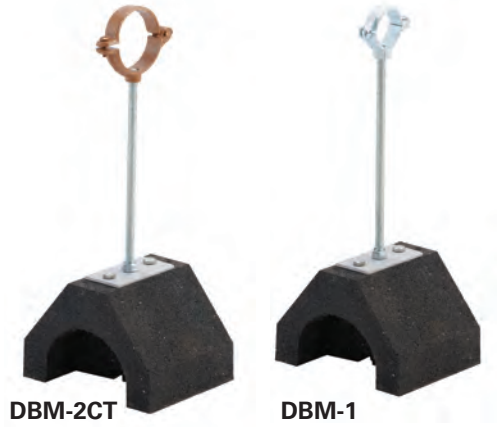

DB10-36

Part No.	Height x Width x Length In.	mm	Wt./Each Lbs.	kg
DB10-28	5 5/8" x 6" x 28"	(142.9 x 152.4 x 711.2)	13.16	(5.97)
DB10-36	5 5/8" x 6" x 36"	(142.9 x 152.4 x 914.4)	14.36	(6.51)
DB10-42	5 5/8" x 6" x 42"	(142.9 x 152.4 x 1066.8)	15.52	(7.04)
DB10-50	5 5/8" x 6" x 50"	(142.9 x 152.4 x 1270.0)	16.45	(7.46)
DB10-60	5 5/8" x 6" x 60"	(142.9 x 152.4 x 1524.0)	17.94	(8.14)


DB10-50

DBM SERIES
Support Base with Riser Rod & Clamp

- Base with 3/8"-16 threaded rod and B3198H clamp - see chart for height, width and length
- 100% recycled rubber, UV resistant.
- Load Rating" 50 lbs. (0.22kN) (Ultimate Load)*
- DURA-BLOK DBM-Series pipe/tubing support is designed for support of single piping systems where elevation adjustment is needed. The DURA-BLOK is UV resistant and suitable for installation on any type of roofing material or other flat surfaces.


DBM-2CT DBM-1

Part No.	Clamp Part No.†	Block -Height x Width x Length In.	mm	Height** Min.-Max. In.	mm	Wt./Each Lbs.	kg
DBM-1/2CT	B3198HCT-1/2	4" x 6" x 4.8"	(101.6 x 152.4 x 121.9)	9.69"-11.19"	(246.1-284.2)	2.75	(1.25)
DBM-3/4CT	B3198HCT-3/4	4" x 6" x 4.8"	(101.6 x 152.4 x 121.9)	9.84"-11.34"	(249.9-2288.0)	2.76	(1.25)
DBM-1CT	B3198HCT-1	4" x 6" x 4.8"	(101.6 x 152.4 x 121.9)	9.95"-11.45"	(252.7-290.8)	2.84	(1.29)
DBM-1 1/4CT	B3198HCT-1 1/4	4" x 6" x 4.8"	(101.6 x 152.4 x 121.9)	10.13"-11.63"	(257.3-295.4)	2.95	(1.34)
DBM-1 1/2CT	B3198HCT-1 1/2	4" x 6" x 4.8"	(101.6 x 152.4 x 121.9)	10.28"-11.78"	(261.1-299.2)	2.96	(1.34)
DBM-2CT	B3198HCT-2	4" x 6" x 4.8"	(101.6 x 152.4 x 121.9)	10.53"-12.03"	(267.4-305.5)	3.03	(1.37)
DBM-1/2	B3198H-1/2	4" x 6" x 4.8"	(101.6 x 152.4 x 121.9)	9.86"-11.36"	(250.4-288.5)	2.78	(1.26)
DBM-3/4	B3198H-3/4	4" x 6" x 4.8"	(101.6 x 152.4 x 121.9)	10.06"-11.56"	(255.5-293.6)	2.84	(1.29)
DBM-1	B3198H-1	4" x 6" x 4.8"	(101.6 x 152.4 x 121.9)	10.14"-11.64"	(257.5-295.6)	2.86	(1.30)
DBM-1 1/4	B3198H-1 1/4	4" x 6" x 4.8"	(101.6 x 152.4 x 121.9)	10.25"-11.75"	(260.3-298.4)	2.93	(1.33)
DBM-1 1/2	B3198H-1 1/2	4" x 6" x 4.8"	(101.6 x 152.4 x 121.9)	10.42"-11.92"	(264.6-302.7)	2.99	(1.36)
DBM-2	B3198H-2	4" x 6" x 4.8"	(101.6 x 152.4 x 121.9)	10.66"-12.16"	(270.7-308.8)	3.10	(1.41)

† See Pipe Hanger Catalog for dimensions and specifications. *** From bottom of rubber block to center of pipe/tubing.*

*** General Note:** Consult roofing manufacturer or engineer for roof load capacity. The weakest point may be the insulation board beneath the rubber membrane.

Reference page 153 for general fitting and standard finish specifications.

DBE Series
Support Base with Rod Risers & Channel

- Base with (2) 1/2" electro zinc all threaded rod risers - Top channel is 1" (25.4mm) tall. See chart for adjustable height x wide x length.
- 100% recycled rubber, UV resistant.
- Load Rating* 200 lbs. (0.89kN) (To increase load capacity use load distribution plate CLDP10)
- DURA-BLOK DBE-Series channel support is designed as a superior support of piping systems, cable tray, HVAC equipment and many other applications where elevation adjustment is critical. The DURA-BLOK is UV resistant and suitable for installation on any type of roofing material or other flat surfaces. (For pipe straps/clamps, rollers and roller supports that can be used with these DURA-BLOK supports, see page 159)

Part No.	Adjustable Height x Width x Length In.	mm	Wt./Each Lbs.	kg
DBE10-8	5 1/2-8" x 6" x 9.6"	(139.7-152.4 x 152.4 x 243.8)	5.68	(2.58)
DBE10-12	5 1/2-12" x 6" x 9.6"	(139.7-304.8 x 152.4 x 243.8)	5.72	(2.59)
DBE10-16	5 1/2-16" x 6" x 9.6"	(139.7-406.4 x 152.4 x 243.8)	5.76	(2.61)

DBR Series
Support Base with Rod Risers & Pipe Roll

- Base with (2) 1/2" electro zinc all threaded rod risers and a B3114-3 1/2 pipe roll with sockets - base is 4" (101.6mm) high x 6" (152.4mm) wide x 9.6" (243.8mm) long. Overall height is 12" (304.8mm) from bottom of base to contact point on roller.
- Pipe roll & sockets for up to 3 1/2" (90) pipe sizes.
- 100% recycled rubber, UV resistant.
- Load Rating* 200 lbs. (0.89kN) (To increase load capacity use load distribution plate CLDP10)
- DURA-BLOK DBR-Series support is designed to support pipe up to 3 1/2" (90) nominal size where difference in elevation is required and longitudinal movement is expected. The DURA-BLOK is UV resistant and approved for installation on any type of roofing material or other flat surfaces.

Part No.	Adjustable Height x Width x Length In.	mm	Wt./Each Lbs.	kg
DBR10-12	up to 12" x 6" x 9.6"	(up to 304.8 x 152.4 x 243.8)	8.20	(3.72)

CLDP10
Load Distribution Plate

- 11 ga. (3.0mm) steel plate with slots.
- Dimensions: 1 5/8" (41.3mm) wide x 9 1/2" (241.3mm) long.
- DURA-BLOK CLDP10 load bearing stabilizer plate increases load ratings for DBE Series and DBR Series by allowing the load from the threaded rods to be distributed over the length of the base instead of the point load where the rods attach to the base.

Loosen hex nuts and slide plate under the flat washers

Retighten the hex nuts with plate in place

Part No.	Thickness x Width x Length In.	mm	Wt./Each Lbs.	kg
CLDP10	11 Ga. x 1 5/8" x 9 1/2"	(3.0 x 41.3 x 241.3)	0.53	(0.24)

*** General Note:** Consult roofing manufacturer or engineer for roof load capacity. The weakest point may be the insulation board beneath the rubber membrane.

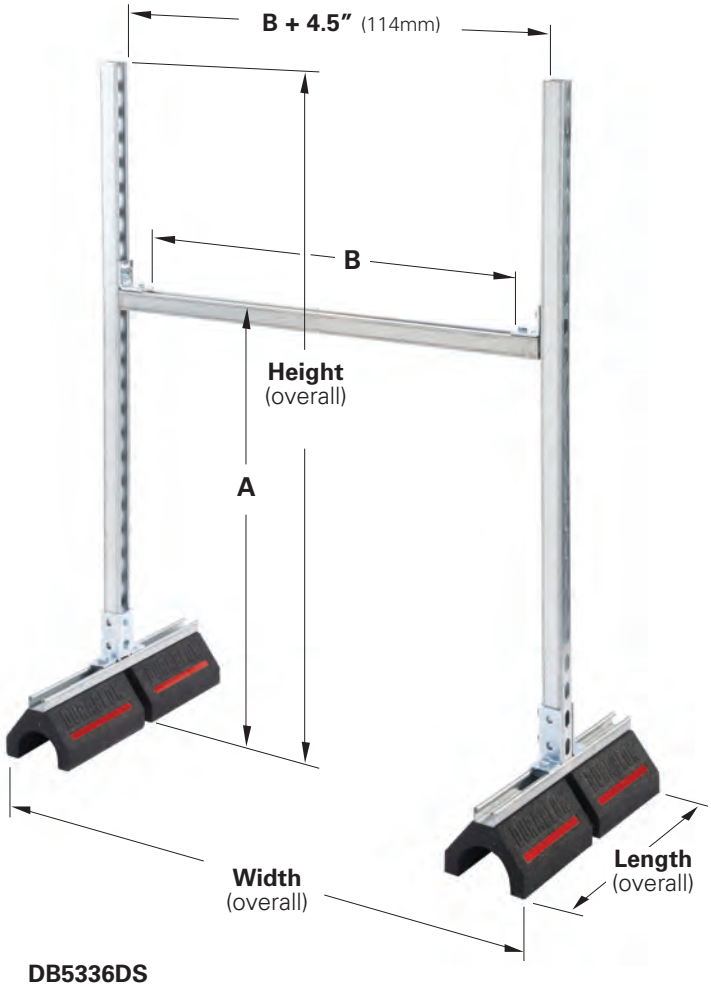
Reference page 153 for general fitting and standard finish specifications.

DB__DS Series
Support Bases with B22SH
Vertical & Horizontal Channel Members

- Product is shipped unassembled.
- Two (2) DB20 bases with 14 ga. (1.9mm) galvanized channel 1" high (25.4mm) - Bases are 5" (127.0mm) high x 6" (152.4mm) wide x 20.2" (513.1mm) long. Vertical & Horizontal Riser Channels (SH Style) - 1 5/8" (41.3mm) x 1 5/8" (41.3mm) x 12 ga. (2.6mm) Fittings & Hardware - Electro-Plated Steel
- 100% recycled rubber, UV resistant.
- Ultimate Load Rating: 1000 lbs. (4.45kN) (Uniform Load)*
- DURA-BLOK DB__DS-Series channel support with risers is designed for superior support of piping systems, cable tray, HVAC equipment, walkway systems and many other applications. The DURA-BLOK is UV resistant and suitable for installation on any type of roofing material or other flat surfaces. (For pipe straps/clamps, rollers and roller supports that can be used with these DURA-BLOK supports, see page 159)

DB2318DS

DB2924DS



DB5336DS

*** General Note:** Consult roofing manufacturer or engineer for roof load capacity. The weakest point may be the insulation board beneath the rubber membrane.

Reference page 153 for general fitting and standard finish specifications.

DB__DS Series cont.

Part No.	A Min. to Max. In.	A Min. to Max. mm	B In.	B mm
DB2318DS	10.56″ to 20.75″	(268 to 527)	13 1/2″	(343)
DB2918DS	10.56″ to 26.75″	(268 to 679)	13 1/2″	(343)
DB4118DS	10.56″ to 38.75″	(268 to 984)	13 1/2″	(343)
DB5318DS	10.56″ to 50.75″	(268 to 1289)	13 1/2″	(343)
DB2324DS	10.56″ to 20.75″	(268 to 527)	19 1/2″	(495)
DB2924DS	10.56″ to 26.75″	(268 to 679)	19 1/2″	(495)
DB4124DS	10.56″ to 38.75″	(268 to 984)	19 1/2″	(495)
DB5324DS	10.56″ to 50.75″	(268 to 1289)	19 1/2″	(495)
DB2336DS	10.56″ to 20.75″	(268 to 527)	31 1/2″	(800)
DB2936DS	10.56″ to 26.75″	(268 to 679)	31 1/2″	(800)
DB4136DS	10.56″ to 38.75″	(268 to 984)	31 1/2″	(800)
DB5336DS	10.56″ to 50.75″	(268 to 1289)	31 1/2″	(800)
DB2348DS	10.56″ to 20.75″	(268 to 527)	43 1/2″	(1105)
DB2948DS	10.56″ to 26.75″	(268 to 679)	43 1/2″	(1105)
DB4148DS	10.56″ to 38.75″	(268 to 984)	43 1/2″	(1105)
DB5348DS	10.56″ to 50.75″	(268 to 1289)	43 1/2″	(1105)

Part No.	Height (overall) In.	Height (overall) mm	Width (overall) In.	Width (overall) mm	Length (overall) In.	Length (overall) mm	Wt./Each lbs.	Wt./Each kg
DB2318DS	23″	(584)	25 5/8″	(651)	20.2″	(513)	33.31	(15.11)
DB2918DS	29″	(736)	25 5/8″	(651)	20.2″	(513)	35.00	(15.88)
DB4118DS	41″	(1041)	25 5/8″	(651)	20.2″	(513)	38.40	(17.42)
DB5318DS	53″	(1346)	25 5/8″	(651)	20.2″	(513)	41.80	(18.96)
DB2324DS	23″	(584)	31 5/8″	(803)	20.2″	(513)	34.15	(15.49)
DB2924DS	29″	(736)	31 5/8″	(803)	20.2″	(513)	35.84	(16.26)
DB4124DS	41″	(1041)	31 5/8″	(803)	20.2″	(513)	39.25	(17.80)
DB5324DS	53″	(1346)	31 5/8″	(803)	20.2″	(513)	42.65	(19.34)
DB2336DS	23″	(584)	43 5/8″	(1108)	20.2″	(513)	35.84	(16.26)
DB2936DS	29″	(736)	43 5/8″	(1108)	20.2″	(513)	37.56	(17.03)
DB4136DS	41″	(1041)	43 5/8″	(1108)	20.2″	(513)	40.95	(18.57)
DB5336DS	53″	(1346)	43 5/8″	(1108)	20.2″	(513)	44.34	(20.11)
DB2348DS	23″	(584)	55 5/8″	(1415)	20.2″	(513)	37.55	(17.03)
DB2948DS	29″	(736)	55 5/8″	(1415)	20.2″	(513)	39.25	(17.80)
DB4148DS	41″	(1041)	55 5/8″	(1415)	20.2″	(513)	42.65	(19.34)
DB5348DS	53″	(1346)	55 5/8″	(1415)	20.2″	(513)	46.03	(20.88)

A = Adjustable height from bottom of DURA-BLOK to top of horizontal channel.
B = Space between fittings that support horizontal channel.
Height (overall) = Distance from bottom of DURA-BLOK to top of upright channel.
Width (overall) = Distance from outside-to-outside of DURA-BLOK supports.
Length (overall) = Distance from end-to-end of DURA-BLOK supports.

Reference page 153 for general fitting and standard finish specifications.

DURA-BLOK™ Rooftop Supports

DBR Series
Support Bases with B42 Channel & Pipe Roller

- Base with 14 ga. (1.9mm) galvanized channel 1" high (25.4mm) tall - see chart for height, width and length.
- 100% recycled rubber, UV resistant.
- Load Rating: (See Chart Below)*
- DURA-BLOK DBR-Series support is designed to support pipe where longitudinal movement is expected. The DURA-BLOK is UV resistant and approved for installation on any type of roofing material or other flat surfaces.

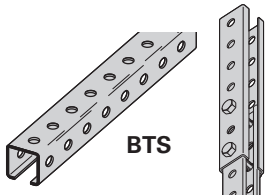
DBR4-6

DBR16-20

Part No.	Roller Part No.†	Block & Channel -Height x Width x Length In.	mm	Height** In.	mm	Wt./Each Lbs.	kg	Load Rating Lbs.	kN
DBR2-3 1/2	B3126-2 to 3 1/2	5" x 6" x 9.6"	(127.0 x 152.4 x 243.8)	7.09"	(180)	5.28	(2.39)	500	(2.22)
DBR4-6	B3126-4 to 6	5" x 6" x 9.6"	(127.0 x 152.4 x 243.8)	7.09"	(180)	10.63	(4.82)	500	(2.22)
DBR8-10	B3126-8-10	5" x 6" x 20.2"	(127.0 x 152.4 x 513.1)	8.34"	(212)	15.99	(7.25)	1000	(4.45)
DBR12-14	B3126-12-14	5" x 6" x 20.2"	(127.0 x 152.4 x 513.1)	9.38"	(238)	21.34	(9.68)	1000	(4.45)
DBR16-20	B3126-16-20	5" x 6" x 20.2"	(127.0 x 152.4 x 513.1)	9.78"	(248)	26.70	(12.11)	1000	(4.45)

*† See Pipe Hanger Catalog for dimensions and specifications. ** From bottom of rubber block to bottom of pipe/tubing.*

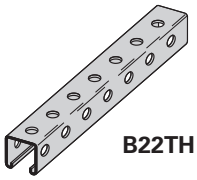
Compatible Components Available to make DURA-BLOK bases more versatile



BTS

TN Nuts

HHCS



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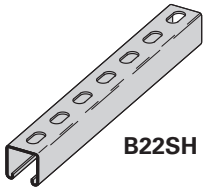
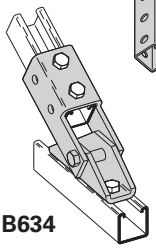


B22SH



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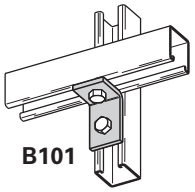

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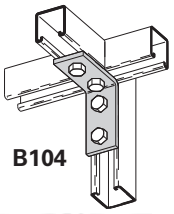

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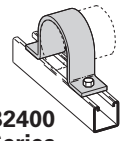
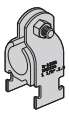
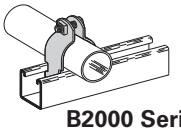


B2400 Series

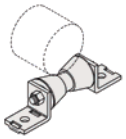


BVT Series

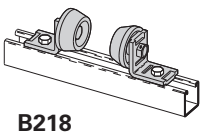


B2000 Series

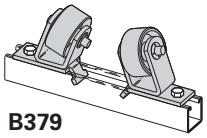
B3124 Series



B3126 Series



B218



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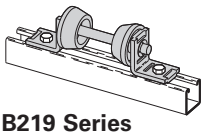
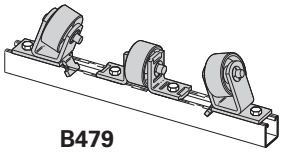


B219 Series



B479

Above rollers can be mounted on DB Series, DB6 Series, and DB10 Series units.

Reference page 153 for general fitting and standard finish specifications.

Rooftop Applications

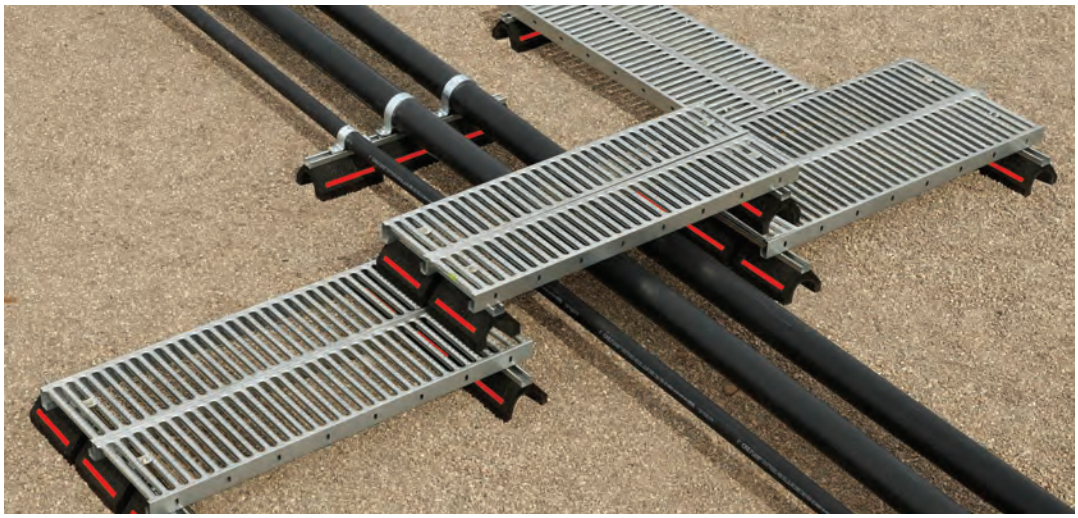




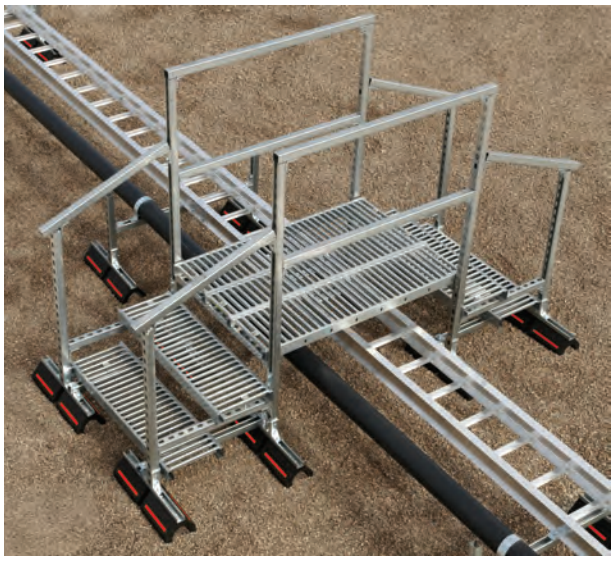


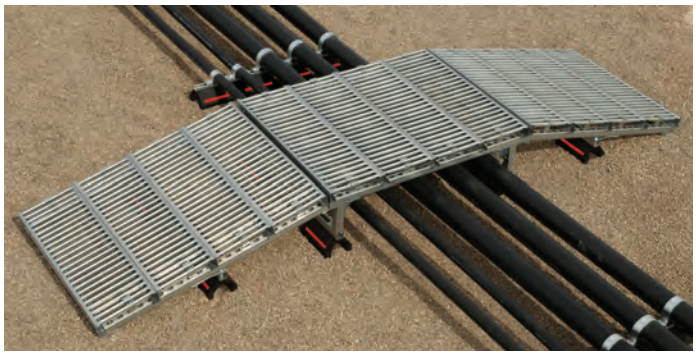


Rooftop Supports In Walkway Applications



- Safety Grating is available with slip resistant GRATE-LOCK™, helping provide a safe walkway for foot traffic on the roof.
- Easy to install, elevated design, creates an identifiable path for foot traffic helping prevent wear and tear to the roof surface.
- The cross-over design offers safe passage over existing cabling, piping, cable tray or any other interference on the rooftop.
- The self cleaning pattern allows water and dirt to easily flow through, helping make the grating an ideal walkway in all weather conditions.
- Handrail options are available





APPENDIX B
COMMUNITY AIR MONITORING PLAN

Community Air Monitoring Plan

Job Name/Site Number: 200 East Main, Mt Kisco, NY/360183

Revision #1

1.0 INTRODUCTION

This Community Air Monitoring Plan (CAMP) has been prepared by Bellucci Engineering to support the implementation of the Interim Remedial Measure (IRM) activity associated with the Sub-Slab Depressurization System or SSDS installations at the Subject Property located at 200 East Main Street, Mt Kisco, Westchester County, New York. A Site Plan is provided as Figure 1. Details related to this IRM activity is presented in the SSDS Design Document, Bellucci Engineering, PLLC dated April 18, 2022, to which this CAMP is included as an attachment and as a supporting plan. This CAMP fulfills the routine monitoring requirements provided in the New York State Department of Environmental Conservation (NYSDEC) document entitled Division of Environmental Remediation *Technical Guidance for Site Investigation and Remediation* (DER-10) issued on May 3, 2010. Appendix 1A of DER-10 provides general guidance and protocols for the preparation and implementation of a CAMP. Appendix 1B of DER-10 supplements the contents of Appendix 1A of DER-10 and provides additional requirements for fugitive dust/particulate monitoring. Special requirements have also been deemed necessary by the NYSDEC and New York State Department of Health (NYSDOH) as work will be conducted within 20 feet of potentially exposed individuals or structures. A copy of these CAMP requirements (as outlined in DER-10) has been placed in Attachment A for reference. This CAMP identifies the required air monitoring to protect on-Site workers and the community during the implementation of proposed investigative activities. Note that all IRM remedial activities will be performed inside the Site structure during times when the tenanted space is unoccupied.

1.1 CAMP Objectives

The overall objective of the CAMP is to establish requirements for protection measures from potential airborne releases of constituents of concern during intrusive and/or potential dust generating Site activities. As summarized in the SSDS Design Document, laboratory analysis indicates that constituents of concern at the Site include volatile organic compounds (VOCs). This CAMP identifies potential air emissions, and describes air monitoring procedures, the monitoring schedule, data collection, and reporting requirements for the mitigation actions to be completed by the environmental team. Bellucci Engineering and DT Consulting Services, Inc. will implement this CAMP and will provide all labor, materials, and equipment necessary to implement the monitoring program specified in this CAMP, as well as any required contractor worker documentation and monitoring described in the Environmental Health and Safety Plan prepared for the implementation of the

project.

1.2 Revisions to the CAMP

Any changes to the scope or procedures in this CAMP will be formally documented as a revision to this document. A revision number will be indicated on the front page of any revised document and will serve as a historical record of any and all revisions made to the document. For changes requiring immediate resolution during the implementation of this CAMP, approval will be secured from the NYSDEC and, if applicable, the Responsible Party.

1.3 Potential Air Emissions Related to Remedial Activities

Intrusive Sub-Slab Depressurization (SSDS) remedial activities have the potential to generate localized impacts to air quality. Remedial construction components that are considered intrusive for the purposes of this CAMP and that have the potential to generate air emissions are anticipated to include, but may not be limited to the following:

- ✓ Installation of SSDS;
- ✓ Installation and pilot testing of additional extraction wells, vacuum monitoring points ;
- ✓ Soil vapor/soil gas sampling.

2.0 AIR QUALITY MONITORING AND ACTION LEVELS

Air monitoring will be conducted in accordance with a CAMP and is designed to protect the community and the onsite workers.

2.1 Monitoring During Site Operations

Prior to commencement of planned remedial activities the following will be conducted:

- Background readings will be obtained with a photoionization detector (PID) for VOCs in parts per million (ppm). Any unusual background readings will be discussed with NYSDEC/NYSDOH prior to commencement of work;

- The location of exhaust fans and potential vapor pathways relative to adjoining rooms will be sealed prior to activation of the SSDS (See Section 4.5 of the SSDS Design Document). Additional actions will be taken during the installation activities if the initial sealing efforts are determined to be insufficient in preventing migrations of indoor air between units.

As deemed necessary, the use of engineering controls including but not limited to special ventilation, the employment of granular activated carbon (GAC) to polish soil vapor extracted during pilot testing procedures prior to external atmospheric discharge, and vapor/dust barriers will be utilized during the performance of the SSDS installation(s).

During Site work involving disturbance of fill and/or native soil, real time air monitoring will be conducted for VOCs. A PID will be used to monitor concentrations of VOCs at personnel breathing-zone height. Dust/particulate monitoring will be accomplished with an aerosol monitor. Air monitoring will be the responsibility of the HSO or designee. Air monitoring will be conducted continuously during ground intrusive activities in the work zone on the project Site. All manufacturers' instructions for instrumentation and calibration will be available on-Site.

2.1.1 Volatile Organic Compounds

Monitoring with a PID, such as a MiniRAE 2000 (10.6v) or equivalent will occur continuously during the execution of the IRM work plan. Colormetric Indicator Tubes for tetrachloroethylene (i.e Draeger® tubes) may be used as backup for the PID, if measurements remain above background monitor every 2 hours. Instrumentation action levels to be utilized are as follows:

Action Levels for Organic Vapors

Instrument	**Action Level**	**Action Required**
Outdoor Action Levels		
PID	Background to 5 ppm	No further action required.
	> 5 ppm for > 5 minutes	1. Temporarily discontinue all activities and evaluate potential causes of the excessive readings. If these

		levels persist and cannot be mitigated (i.e., by slowing drilling or excavation activities), contact HSO to review conditions and determine source and appropriate response action. 2. If PID readings remain above 5 ppm, temporarily discontinue work. 3. If sustained PID readings fall below 1 ppm, no further action required.
	> 5 ppm but < 150 ppm for > 5 minutes	1. Discontinue all work; all workers shall move outside of the work zone. 2. Evaluate potential causes of the excessive readings and allow work area to vent until VOC concentrations fall below 5 ppm.
	> 30 ppm (steady state condition) within work zone	Stop Work / Suppress Emissions / Evacuate and re-evaluate.
	> 150 ppm	Evacuate the work zone
Special Requirements for Work Within 20 Feet of Potentially Exposure Individuals or Structures		
	> 1 ppm above background. Opposite the walls of occupied structures or next to intake vents. Collect background readings within adjacent occupied spaces prior to commencement of planned work.	Monitoring will be performed within the occupied (tenanted) space, the nearest potentially exposed individuals and in the location of ventilation intakes for nearby structures. Response actions may include but are not limited to: 1. Cessation of onsite work until source of VOCs is determined; 2. Use of engineering control (i.e. exhaust fan(s), vapor barriers) within exclusion zone; 3. Deployment of Air Purifying Units

In accordance with the Special Requirements for Work Withing 20-feet of Potentially Exposed Individuals or Structures, all ground intrusive and piping work conducted within the two occupied spaces (Unit #s 3 & 4) will be during off business hour when the tenants are not present. Non-intrusive work such as system diagnostic testing and sampling may be conducted during business hours while the spaces are occupied. These activities do not result in fugitive dust of VOC emissions to indoor air.

Notes:

1. 1 ppm level based on OSHA Permissible Exposure Limit (PEL) for benzene.
2. 5 ppm level based on OSHA Short Term Exposure Limit (STEL) maximum exposure for vinyl chloride for any 15 minute period.

3. 150 ppm level based on NIOSH Immediately Dangerous to Life and Health (IDLH) for tetrachloroethylene.

2.1.2 Fugitive Dust and Particulate Monitoring

During invasive procedures which have the potential for creating airborne dust, such as excavation of dry soils, a real time airborne dust monitor such as a Mini-Ram must be used to monitor for air particulates. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities. The HSO will continuously monitor for particulates during all ground intrusive activities. Instrument action levels to be utilized for dust monitoring are as follows:

Action Levels for Particulates

Instrument	**Action Level**	**Level of Protection/Action Required**
Outdoor Action Levels		
Total Dust Aerosol Monitor	> 0.100 mg/m^3 above BKD (steady state condition) at work zone for 15-minutes or visible dust.	Stop Work/Implement dust control. Continue dust monitoring if dust levels are less than 150 mg/m^3.
	< 0.150 mg/m^3 above BKD (following dust suppression measures).	Stop Work/implement dust control, continue work once levels are <150 mg/m^3.
Special Requirements for Work Within 20 Feet of Potentially Exposure Individuals or Structures		
	> 0.150 mg/m^3 Opposite the walls of occupied structures or next to intake vents.	Work activities will be suspended until controls are implemented and are successful in reducing the total particulate concentration to 0.150 mg/m^3 or less at the monitoring point.

2.2 Periodic Monitoring for Odors

During work hours, hourly or more frequent walks around the perimeter of the work area will be performed to qualitatively monitor for the presence and intensity of Site-related odors. Perimeter checks will be performed more frequently, as necessary, depending on the nature and location of work being performed. If odors are noted at the perimeter of the work area, work will continue and odor, vapor, and dust controls will be employed to abate emissions. Additionally, construction techniques will be evaluated and modified, if necessary and appropriate, and more frequent checks of the perimeter of the work area will be performed. If odors persist at the perimeter of the work area at an unacceptable intensity, work will be stopped while activities are re-evaluated. The source or cause of the odors will be identified and additional odor, vapor, and dust controls will be employed. Work will resume provided that the controls are successful in mitigating the intensity of odors at the perimeter of the work area.

2.3 Instrument Calibration

Calibration of the VOC and PM-10, instrumentation will be conducted in accordance with each of the equipment manufacturer's calibration and quality assurance requirements. The VOC and PM-10 monitoring equipment will be calibrated or zeroed, respectively, daily (at a minimum), and such calibrations will be recorded in the field logbook.

3.0 MONITORING SCHEDULE/DATA COLLECTION/REPORTING

The following identifies the monitoring schedule and data collection/reporting requirements.

3.1 Monitoring Schedule

Air monitoring will be conducted prior to initiating remedial Site activities to establish adequate baseline data and until such time that intrusive and/or potential dust generating activities are complete. The frequency of construction air monitoring will be relative to the level of Site work activities being

conducted and may be adjusted as the work proceeds and in consideration of the monitoring results. VOC and particulate monitoring will be conducted continuously during all ground-intrusive work.

3.2 Data Collection and Reporting

Results of the air monitoring for total organic vapors and particulates (both instantaneous readings and 15-minute average concentrations) will be recorded by the on-Site HSO or designee. Upon executing the approved IRM, a CAMP report will be generated to include, but not be limited to, the following:

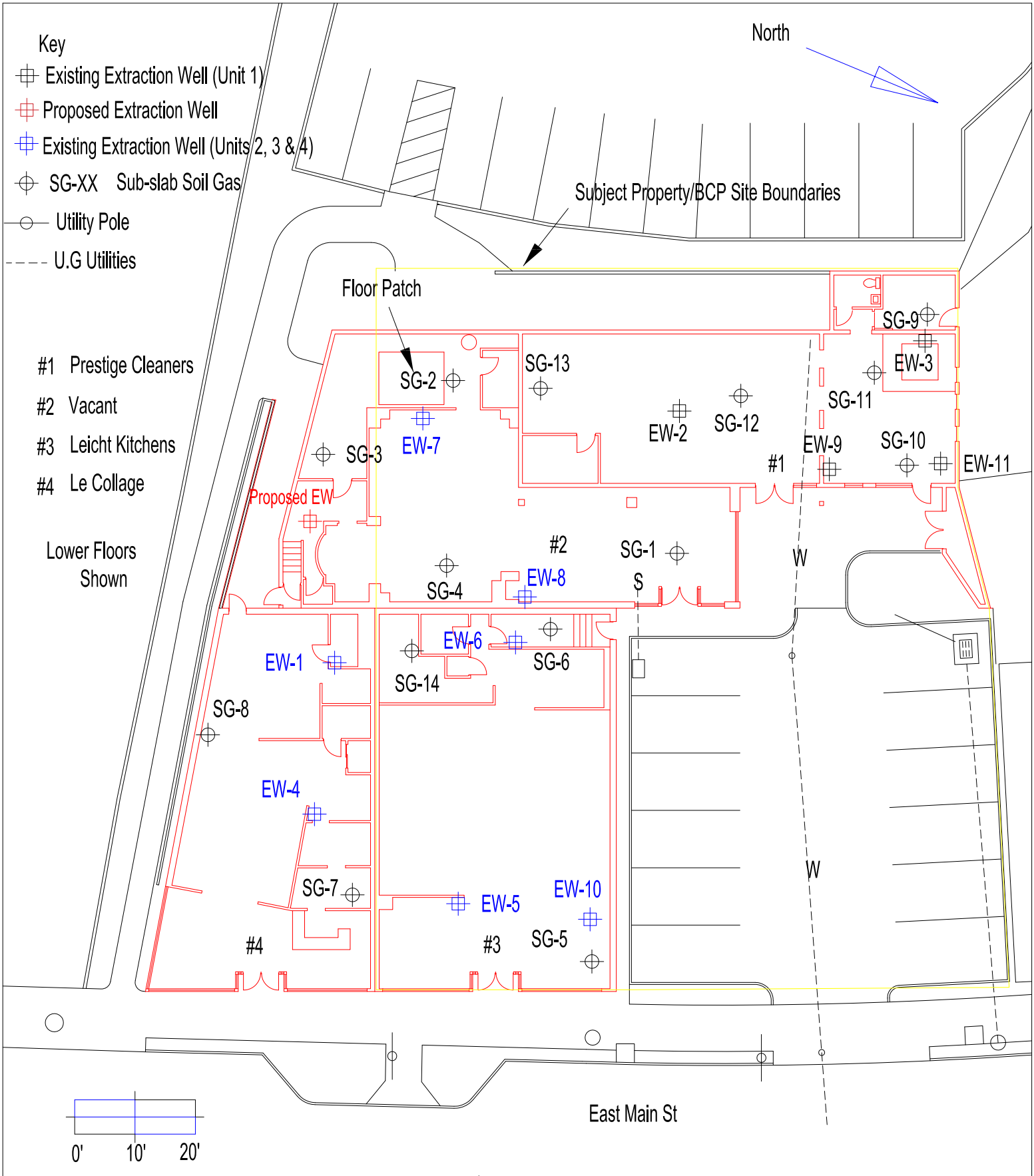
- A brief memorandum summarizing the air monitoring work activities and results for the monitoring period. A summary of the qualitative monitoring for the presence and intensity of Site-related odors will also be included.

In the event that an exceedance of an air monitoring action level (for either VOCs or PM-10), the HSO or designee will notify DEC (via telephone) as soon as possible (i.e., real time). Within 24 hours of the observed exceedance, the HSO or designee will send a follow-up e-mail to DEC's representative, and the Responsible Party summarizing the data, the cause of the exceedance, and any corrective measures implemented (or to be implemented) as a result of the exceedance. The information will also be documented in the CAMP report. Odor complaints received from the public will be evaluated and verified based on the following:

- Date and time of complaint;
- Location and nature of work activities being performed at the Site;
- Location and nature of non-project-related work activities being performed in the surrounding community; and
- Prevailing wind direction and other local meteorological conditions.

Regardless of the outcome of this evaluation, all associated parties will be notified of odor complaints within 24 hours. In response to a verified odor complaint, perimeter monitoring will continue and additional odor, vapor, and dust controls will be employed to mitigate Site-related odor emissions. Construction techniques will also be evaluated and modified, if necessary and appropriate.

FIGURES



Prepared by:

Bellucci Engineering PLLC

Base map provided by DT Consulting Services, Inc.

P.E. Certification/ Seal

STATE OF NEW YORK · DANIEL BELLUCCI · 099470 · LICENSED PROFESSIONAL ENGINEER

Participant: Larchmont Development LLC, Sun Devil Development LLC, BCA MK LLC

Location: 200 East Main Street, Mt Kisco, New York

Title: SSDS Installation - Plan View

BCP Site No: C360183

Scale: Graphic

Drawn By: O.T.

Fig.#: 5

ATTACHMENTS

DT CONSULTING SERVICES, INC.

ATTACHMENT A

NYSDEC DER-10 TECHNICAL GUIDANCE FOR SITE INVESTIGATION AND REMEDIATION (DER-10) MAY 3, 2010.

APPENDIX 1A OF DER-10

Appendix 1A
New York State Department of Health
Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. “Periodic” monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009

APPENDIX 1B OF DER-10

Appendix 1B
Fugitive Dust and Particulate Monitoring

A program for suppressing fugitive dust and particulate matter monitoring at hazardous waste sites is a responsibility on the remedial party performing the work. These procedures must be incorporated into appropriate intrusive work plans. The following fugitive dust suppression and particulate monitoring program should be employed at sites during construction and other intrusive activities which warrant its use:

1. Reasonable fugitive dust suppression techniques must be employed during all site activities which may generate fugitive dust.

2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.

3. Particulate monitoring must be performed using real-time particulate monitors and shall monitor particulate matter less than ten microns (PM10) with the following minimum performance standards:

(a) Objects to be measured: Dust, mists or aerosols;
(b) Measurement Ranges: 0.001 to 400 mg/m3 (1 to 400,000 :ug/m3);
(c) Precision (2-sigma) at constant temperature: +/- 10 :g/m3 for one second averaging; and +/- 1.5 g/m3 for sixty second averaging;
(d) Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);
(e) Resolution: 0.1% of reading or 1g/m3, whichever is larger;
(f) Particle Size Range of Maximum Response: 0.1-10;
(g) Total Number of Data Points in Memory: 10,000;
(h) Logged Data: Each data point with average concentration, time/date and data point number
(i) Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;
(j) Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
(k) Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
(l) Operating Temperature: -10 to 50^{o} C (14 to 122^{o} F);
(m) Particulate levels will be monitored upwind and immediately downwind at the working site and integrated over a period not to exceed 15 minutes.

4. In order to ensure the validity of the fugitive dust measurements performed, there must be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the remedial party to adequately supplement QA/QC Plans to include the following critical features: periodic instrument calibration, operator training, daily instrument performance (span) checks, and a record keeping plan.

5. The action level will be established at 150 ug/m3 (15 minutes average). While conservative,

this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 ug/m3, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 ug/m3 above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see paragraph 7). Should the action level of 150 ug/m3 continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM10 at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed. Activities that have a high dusting potential--such as solidification and treatment involving materials like kiln dust and lime--will require the need for special measures to be considered.

7. The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities:

(a) Applying water on haul roads;
(b) Wetting equipment and excavation faces;
(c) Spraying water on buckets during excavation and dumping;
(d) Hauling materials in properly tarped or watertight containers;
(e) Restricting vehicle speeds to 10 mph;
(f) Covering excavated areas and material after excavation activity ceases; and
(g) Reducing the excavation size and/or number of excavations.

Experience has shown that the chance of exceeding the 150ug/m3 action level is remote when the above-mentioned techniques are used. When techniques involving water application are used, care must be taken not to use excess water, which can result in unacceptably wet conditions. Using atomizing sprays will prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

8. The evaluation of weather conditions is necessary for proper fugitive dust control. When extreme wind conditions make dust control ineffective, as a last resort remedial actions may need to be suspended. There may be situations that require fugitive dust suppression and particulate monitoring requirements with action levels more stringent than those provided above. Under some circumstances, the contaminant concentration and/or toxicity may require additional monitoring to protect site personnel and the public. Additional integrated sampling and chemical analysis of the dust may also be in order. This must be evaluated when a health and safety plan is developed and when appropriate suppression and monitoring requirements are established for protection of health and the environment.

Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures

When work areas are within 20 feet of potentially exposed populations or occupied structures, the continuous monitoring locations for VOCs and particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor/dust barriers, temporary negative-pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and to control dust and odors. Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

- If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 ppm, monitoring should occur within the occupied structure(s). Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient sensitivity may be necessary for comparing the exposure point concentrations with appropriate pre-determined response levels (response actions should also be pre-determined). Background readings in the occupied spaces must be taken prior to commencement of the planned work. Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.

- If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m^3, work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 mcg/m^3 or less at the monitoring point.

- Depending upon the nature of contamination and remedial activities, other parameters (e.g., explosivity, oxygen, hydrogen sulfide, carbon monoxide) may also need to be monitored. Response levels and actions should be pre-determined, as necessary, for each site.

<u>Special Requirements for Indoor Work With Co-Located Residences or Facilities</u>

Unless a self-contained, negative-pressure enclosure with proper emission controls will encompass the work area, all individuals not directly involved with the planned work must be absent from the room in which the work will occur. Monitoring requirements shall be as stated above under “Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures” except that in this instance “nearby/occupied structures” would be adjacent occupied rooms. Additionally, the location of all exhaust vents in the room and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms, should be understood and the monitoring locations established accordingly. In these situations, it is strongly recommended that exhaust fans or other engineering controls be used to create negative air pressure within the work area during remedial activities. Additionally, it is strongly recommended that the planned work be implemented during hours (e.g. weekends or evenings) when building occupancy is at a minimum.

APPENDIX C
HEALTH & SAFETY PLAN

Environmental Services Health & Safety Plan

Job Name: 200 East Main Street

1.0 INTRODUCTION

DT Consulting Services, Inc. (DTCS) has designed a safety and health program to provide its employees and subcontractors with the guidelines necessary to ensure their own safety and health as well as that of the surrounding community. The goal of this plan is to minimize the risk of injury during the installation of the proposed Sub-slab Depressurization Systems (SSDSs) on-Site.

2.0 ORGANIZATIONAL STRUCTURE

2.1 SAFETY AND HEALTH MANAGER

It is the responsibility of the safety and health manager to develop the comprehensive safety and health plan. The safety and health manager will be appraised of any changes in the comprehensive safety and health plan as well as all Site-specific procedural determinations. The safety and health manager for this project will be Ms. Deborah Thompson.

2.1.1 RESPONSIBILITIES

a) Initial Site evaluation
b) Hazard identification
c) Determination of appropriate protection levels
d) Conduct daily safety and health meetings
e) Supervision of Site sampling and monitoring
f) Supervision of decontamination procedures
g) Designate work zones to maintain Site integrity

3.0 PERSONAL PROTECTIVE EQUIPMENT

The proper personal protective equipment is chosen by the Site safety and health officer in consultation with the safety and health manager. The level of protection is dependent on the hazards that are likely to be encountered on-Site.

3.1 PROTECTION LEVELS

DTCS utilizes four levels of protection as set forth in the OSHA guidelines, Appendix B of 1910.120.

3.1.1 Level A

Level A provides the greatest level of skin, respiratory, and eye protection with the following minimum equipment:

- Full face, self-contained breathing apparatus (SCBA) or supplied air with escape SCBA
- Fully encapsulated chemical resistant suit
- Chemical resistant boots
- Chemical resistant inner and outer gloves

3.1.2 Level B

Level B provides the greatest level of respiratory protection, but a lower level of skin protection than Level A with the following minimum equipment:

- Full face SCBA or supplied air with escape SCBA
- Chemical resistant clothing
- Chemical resistant inner and out gloves
- Chemical resistant boots

3.1.3 Level C

Level C provides the same level of skin protection as Level B, but a lower level of respiratory protection with the following minimum equipment:

- Full face piece air purifying respirator with appropriate cartridge. Cartridges are chosen based on knowledge of hazardous material
- Chemical resistant clothing
- Chemical resistant inner and outer gloves
- Chemical resistant boots

3.1.4 Level D

Level D provides the lowest level of skin protection and no respiratory protection with the following minimum equipment:

- Coveralls
- Safety boots
- Gloves
- Safety glasses or splash goggles

4.0 WORK ZONES

DTCS utilizes the standard three-zone approach to Site control. These zones are the exclusion zone, the contamination reduction zone and the support zone. Movement of personnel and equipment through these zones shall be strictly regulated in order to prevent contamination of clean environments and to protect workers in the support zone from possible exposure.

4.1 EXCLUSION ZONE

The exclusion zone is the area of highest contamination. All personnel entering this zone must wear the appropriate level of protection as prescribed in the Site specific safety plan. The outer boundary of the exclusion zone, referred to as the Hotline, shall be determined based upon such considerations as; extent of surface contamination, safe distance in the case of fire or explosion, physical area necessary for workers to conduct operations in a safe manner and safe distance in the event of vapor or gas emissions. Upon determination, the Hotline shall be visibly marked and secured to prevent accidental entry by unauthorized personnel.

4.2 CONTAMINATION REDUCTION ZONE

The Contamination Reduction Zone is the area between the exclusion zone and the support zone. Its purpose it to protect the clean environment from contamination as workers enter and exit the exclusion zone. The outer boundary of this zone is referred to as the Coldline and shall be clearly marked. Decontamination stations shall be set up in this zone in a line known as the contamination reduction corridor. All personnel exiting the exclusion zone must follow the steps as prescribed in the decontamination procedures prior to re-entering the support zone.

4.3 SUPPORT ZONE

The support zone is the area furthest away from the exclusion zone. It is considered a clean, non-contaminated area where workers need not wear any protective equipment. The command post, equipment trailer, first aid station and lavatory facilities are all located in this area. This area is not, however, open to traffic. Only authorized personnel may enter.

5.0 AIR MONITORING

As the initial Site evaluation work plan entails minimal Site intrusive activities, specific air monitoring procedures would include only the periodic recording of total volatile organic compound or VOC concentrations with a Photoionization Detector (PID) or equivalent during Site activities.

6.0 SITE COMMUNICATIONS

Various methods of communication will be employed based upon Site conditions and work zones. Regardless of method of communication, personnel working in the exclusion zone will remain within constant view of support crews.

DTCS has a network of devices to aid in communications. All or some of the following devices may be used depending upon job Site requirements; hand held radios, headset transistor walkie-talkies and cellular telephones.

The following hand signals shall be standardized for use in emergencies and in event of radio communication breakdown.

Hand gripping throat - out of air, can't breathe
Grip partner's wrist - leave area immediately
Hands on top of head - need assistance
Thumbs up - I am all right, okay
Thumbs down - no, negative

Horn blasts may be used to gain the immediate attention of crews to indicate that dangerous conditions exist.

7.0 EMERGENCY PROCEDURES

The following procedures shall be followed by all Site personnel in the event of an emergency. Any changes to this procedure shall be noted in the Site-specific plan. In all situations where there has been an evacuation of exclusion zone, reentry shall not be permitted until the following conditions have been met; the cause of the emergency has been determined and corrected, the Site hazards have been reassessed, the safety plan has been reviewed and all personnel have been apprised of any changes.

7.1 INJURY IN THE EXCLUSION ZONE

In the event of an injury in the exclusion zone, the emergency signal shall be sounded. All personnel in the exclusion zone will assemble at the contamination reduction corridor. First aid procedures will begin on-Site and if necessary, an ambulance will be called. No personnel will be allowed to re-enter the exclusion zone until the exact nature and cause of the injury has been determined.

7.2 INJURY IN THE SUPPORT ZONE

In the event of an injury in the support zone, on-Site first aid procedures will begin immediately and an ambulance called if necessary. The Site safety and health officer shall determine if the nature and cause of the injury or loss of the injured person will jeopardize the smooth running of the operations. If so, the emergency signal will be sounded and all personnel will follow the same procedure as outline above.

7.3 FIRE OR EXPLOSION

In the event of fire or explosion, the emergency signal shall be sounded and all personnel will assemble at the contamination reduction corridor. The fire department will be called and all personnel will be evacuated to a safe distance.

7.4 PROTECTIVE EQUIPMENT FAILURE

In the event of protective equipment failure, the affected worker and his/her buddy will leave the exclusion zone immediately. In the event of any other equipment failure, the Site safety and health officer will determine if this failure affects the operation. If so, the emergency signal will be sounded and all personnel will leave the exclusion zone until such time as it is deemed safe.

8.0 STANDARD SAFETY PRACTICES

The following guidelines will be followed by all personnel at all times; any changes must be approved by the safety and health manager.

- All employees will attend the daily safety meetings prior to Site entry.

- The buddy system will be utilized at all times.

- There will be no eating, drinking, smoking, or use of smoking material (i.e. matches) within the work area(s).

- Only authorized personnel will be allowed in designated work zones and will wear the proper personal protective clothing and equipment as prescribed in the Site safety plan.

- The Site safety and health officer will be appraised of any unusual circumstances immediately.

Such circumstances include but are not limited to the following; unusual odors, emissions, signs of chemical reaction, and discovery of conditions or substances not mentioned in the Site safety plan. The Site safety officer will then determine if these conditions warrant a shut down of operations.

9.0 DAILY SAFETY MEETINGS

Daily safety meetings will be conducted by the Site safety and health officer prior to commencement of work. All personnel, regardless of job classification are required to attend.

9.1 DISCUSSIONS

1. Overview of safety and health plan.

2. Detailed discussion of substances of concern with emphasis on exposure limits, exposure symptoms and exposure hazards.

3. Review of standard safety precautions and work practices.

4. Review of work plan.

5. Review of hand signals and emergency signals.

Personnel will sign a daily attendance sheet, which shall include an overview of the topics discussed.

10.0 SITE SPECIFIC PLAN

10.1 DETAILED SITE INFORMATION

- **Plan Date** TBA

- **Job Name** 200 East Main

- **Client** Larchmont Development LLC
  Anthony Coschigano III
  48 Grand Street
  New Rochelle, NY 10801

  Sun Devil Development LLC
  Frank Granito, III
  99 Woodridge Drive
  New Canaan, CT 06840

  BCA MK LLC
  David L. Tohir
  52 Reeder Lane
  New Canaan, CT 06840

- **Client Contact/Phone No.** Anthony Coschigano III
  914-906-0700

- **Site Address** 200 East Main Street
  Mount Kisco, New York 10549

- **Cross Street** Lundy Lane

- **Site Access** Direct

10.2 CONTAMINANTS ON SITE/ACTION LEVELS

The following substances are known or suspected to be on Site, primarily in Site wastes. The primary hazards of each are identified, associated primarily with direct skin contact and inhalation.

SUBSTANCE	**PRIMARY HAZARDS**
Volatile Organics	
Trichloroethene (TCE) Tetrachloroethene (PCE)	Eye, skin and respiratory irritation. Nausea, vomiting, headache
Cis-1,2-Dichloroethylene	Skin irritation, gastrointestinal or respiratory tract irritation.

Action Levels

Action levels shall be determined by monitoring of work zone breathing space with a portable Photoionization detector (PID) or comparable instrument. Measurement of a sustained concentration above ambient (background) conditions shall initiate action. The following criteria shall be used to determine appropriate action:

VOCs in Breathing Zone (sustained and above background)	**Level of Respiratory Protection**
0 – 5 ppm	Level D
5 – 200 ppm	Level C
200 – 1000 ppm	Level B - air line
1000+ ppm	Level B - SCBA

If the above criteria indicate the need to increase from Level D to a higher level of personal protection, all work in that particular Site area will be immediately suspended until the required protective equipment is make available, or until Level D conditions return.

10.3 EMERGENCY INFORMATION

10.3.1 EMERGENCY RESPONDERS

10.3.1.1 HOSPITAL

Name: Northern Westchester Hospital

Address & Telephone Number:
400 East Main St, Mount Kisco, NY 10549
(914) 666-1200

Distance from Site: 0.5 Miles

10.3.1.2 EMERGENCY TELEPHONE NUMBERS

Police	911 on Cellular Phone
Fire	911 on Cellular Phone
Ambulance	911 on Cellular Phone

10.3.1.3 REGULATORY AGENCIES

EPA Telephone Number	1-800-424-8802
NYSDEC Spills Hotline	1-800-457-7362

10.4 FIRST AID

First Aid available at the following stations:

First Aid Kit TRUCK
Emergency Eye Wash TRUCK & ON SITE

10.5 WORK ZONES

10.5.1 COMMAND POST

Command post will be mobile.

10.6 SITE COMMUNICATIONS

10.6.1 TELEPHONE

Command Post Telephone - Cellular Phone
Number (845)943-0159

10.6.2 HAND SIGNALS

See Section 6.0

10.7 ENVIRONMENTAL MONITORING

10.7.1 MONITORING EQUIPMENT

Refer to RI Work Plan

10.8 PERSONAL PROTECTIVE EQUIPMENT

10.8.1 EXCLUSION ZONE, PROTECTION LEVEL

PROTECTIVE EQUIPMENT:	Level D
RESPIRATORY	None
HANDS	Nitrile or Leather
FEET	Steel Toed Boots
SUIT	None

10.8.2 CONTAMINATION REDUCTION CORRIDOR (DECON LINE)

PROTECTIVE EQUIPMENT:	Level D
RESPIRATORY	None
HANDS	Nitrile or Leather
FEET	Steel Toed
SUIT	None

10.9 DECONTAMINATION

10.9.1 DECONTAMINATION PROCEDURE

STATION 1 SOAPY WATER

STATION 2 WATER

11.0 KEY PERSONNEL

SAFETY AND HEALTH MANAGER / ON-SITE SUPERVISOR
Deborah J. Thompson

FOREMEN
TBA

FIELD PERSONNEL
Will Vary

12.0 WORK PLAN

12.1 JOB OBJECTIVE

The objective is to execute the SSDS Design Document prepared for the Site by DTCS/Bellucci Engineering, PLLC dated April 18, 2022. Upon completion of field work, a Construction Completion Report or CCR will be prepared and submitted to NYSDEC and NYSDOH following installation and startup of the SSDS. The report will include a summary of the first month of testing, operation and maintenance. The CCR will include a description of the SSDS as constructed, modifications to the system design, the data collected, and record drawings.

APPENDIX D
PILOT TEST LABORATORY ANALYTICAL REPORTS

Technical Report

prepared for:

DT Consulting Services
1291 Old Post Road
Ulster Park NY, 12487
Attention: Deborah Thompson

Report Date: 03/08/2022
Client Project ID: 200 East Main LLC C360183
York Project (SDG) No.: 22C0011

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 03/08/2022
Client Project ID: 200 East Main LLC C360183
York Project (SDG) No.: 22C0011

DT Consulting Services
1291 Old Post Road
Ulster Park NY, 12487
Attention: Deborah Thompson

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 01, 2022 and listed below. The project was identified as your project: **200 East Main LLC C360183**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22C0011-01	EW-1 Eff	Vapor Extraction	02/28/2022	03/01/2022
22C0011-02	EW-4 Eff	Vapor Extraction	03/01/2022	03/01/2022

General Notes for York Project (SDG) No.: 22C0011

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 03/08/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **EW-1 Eff** **York Sample ID:** **22C0011-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0011	200 East Main LLC C360183	Vapor Extraction	February 28, 2022 4:30 pm	03/01/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	2.1	2.992	EPA TO-15 Certifications:	03/04/2022 05:00	03/04/2022 18:10	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.6	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	2.1	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	2.3	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.6	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.2	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.30	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.2	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	1.5	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	2.3	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.8	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.2	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.4	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	2.1	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.5	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	2.0	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.8	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	1.4	2.992	EPA TO-15 Certifications:	03/04/2022 05:00	03/04/2022 18:10	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.8	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	2.2	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
78-93-3	**2-Butanone**	**42**		ug/m³	0.88	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	2.5	2.992	EPA TO-15 Certifications:	03/04/2022 05:00	03/04/2022 18:10	LLJ

Sample Information

Client Sample ID: **EW-1 Eff** **York Sample ID:** **22C0011-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0011	200 East Main LLC C360183	Vapor Extraction	February 28, 2022 4:30 pm	03/01/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	4.7	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	1.2	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
67-64-1	**Acetone**	**210**		ug/m³	1.4	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
107-13-1	Acrylonitrile	ND		ug/m³	0.65	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
71-43-2	Benzene	ND		ug/m³	0.96	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
100-44-7	Benzyl chloride	ND		ug/m³	1.5	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
75-27-4	Bromodichloromethane	ND		ug/m³	2.0	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
75-25-2	Bromoform	ND		ug/m³	3.1	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
74-83-9	Bromomethane	ND		ug/m³	1.2	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
75-15-0	Carbon disulfide	ND		ug/m³	0.93	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m³	0.47	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
108-90-7	Chlorobenzene	ND		ug/m³	1.4	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
75-00-3	Chloroethane	ND		ug/m³	0.79	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
67-66-3	Chloroform	ND		ug/m³	1.5	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
74-87-3	**Chloromethane**	**0.80**		ug/m³	0.62	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.30	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.4	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
110-82-7	Cyclohexane	ND		ug/m³	1.0	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
124-48-1	Dibromochloromethane	ND		ug/m³	2.5	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
75-71-8	**Dichlorodifluoromethane**	**2.2**		ug/m³	1.5	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
141-78-6	* Ethyl acetate	ND		ug/m³	2.2	2.992	EPA TO-15 Certifications:	03/04/2022 05:00	03/04/2022 18:10	LLJ
100-41-4	**Ethyl Benzene**	**2.3**		ug/m³	1.3	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m³	3.2	2.992	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 18:10	LLJ

Sample Information

Client Sample ID: **EW-1 Eff** **York Sample ID:** **22C0011-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0011	200 East Main LLC C360183	Vapor Extraction	February 28, 2022 4:30 pm	03/01/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	**Isopropanol**	**92**		ug/m³	1.5	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	1.2	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.1	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**2.4**		ug/m³	2.1	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	n-Heptane	ND		ug/m³	1.2	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	n-Hexane	ND		ug/m³	1.1	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**2.5**		ug/m³	1.3	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**9.9**		ug/m³	2.6	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	* p-Ethyltoluene	ND		ug/m³	1.5	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.51	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	1.3	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**520**		ug/m³	2.0	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	*** Tetrahydrofuran**	**6.9**		ug/m³	1.8	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications:			
108-88-3	**Toluene**	**1.9**		ug/m³	1.1	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	1.2	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.4	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**0.48**		ug/m³	0.40	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**3.9**		ug/m³	1.7	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	1.1	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	1.3	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.38	2.992	EPA TO-15	03/04/2022 05:00	03/04/2022 18:10	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **EW-4 Eff** **York Sample ID:** **22C0011-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0011	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 9:00 am	03/01/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	2.0	2.95	EPA TO-15 Certifications:	03/04/2022 05:00	03/04/2022 19:03	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.6	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	2.0	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	2.3	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.6	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.2	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.29	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.2	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	1.5	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	2.3	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.8	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.2	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.4	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	2.1	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.5	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	2.0	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.8	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	1.4	2.95	EPA TO-15 Certifications:	03/04/2022 05:00	03/04/2022 19:03	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.8	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	2.1	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
78-93-3	**2-Butanone**	**48**		ug/m³	0.87	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	2.4	2.95	EPA TO-15 Certifications:	03/04/2022 05:00	03/04/2022 19:03	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	4.6	2.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/04/2022 19:03	LLJ

Sample Information

Client Sample ID: **EW-4 Eff** **York Sample ID:** **22C0011-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0011	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 9:00 am	03/01/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	1.2	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**280**		ug/m³	1.4	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.64	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	Benzene	ND		ug/m³	0.94	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	1.5	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	2.0	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	3.0	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	1.1	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	0.92	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	Carbon tetrachloride	ND		ug/m³	0.46	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	1.4	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.78	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	1.4	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	Chloromethane	ND		ug/m³	0.61	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.29	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.3	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	1.0	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	2.5	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**2.2**		ug/m³	1.5	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	2.1	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**3.6**		ug/m³	1.3	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	3.1	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**80**		ug/m³	1.5	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **EW-4 Eff** **York Sample ID:** **22C0011-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0011	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 9:00 am	03/01/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m³	1.2	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.1	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**2.0**		ug/m³	2.0	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	n-Heptane	ND		ug/m³	1.2	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	n-Hexane	ND		ug/m³	1.0	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**3.6**		ug/m³	1.3	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**16**		ug/m³	2.6	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	* p-Ethyltoluene	ND		ug/m³	1.5	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.51	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	1.3	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**700**		ug/m³	2.0	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	*** Tetrahydrofuran**	**9.7**		ug/m³	1.7	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications:			
108-88-3	Toluene	ND		ug/m³	1.1	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	1.2	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.3	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**0.63**		ug/m³	0.40	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**8.5**		ug/m³	1.7	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	1.0	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	1.3	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.38	2.95	EPA TO-15	03/04/2022 05:00	03/04/2022 19:03	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Analytical Batch Summary

Batch ID: BC21370 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
22C0011-01	EW-1 Eff	03/04/22
22C0011-02	EW-4 Eff	03/04/22
BC21370-BLK1	Blank	03/04/22
BC21370-BS1	LCS	03/04/22
BC21370-DUP1	Duplicate	03/04/22

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21370 - EPA TO15 PREP											
Blank (BC21370-BLK1)											Prepared & Analyzed: 03/04/2022
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21370 - EPA TO15 PREP											
Blank (BC21370-BLK1)											Prepared & Analyzed: 03/04/2022
n-Heptane	ND	0.41	ug/m³								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								
LCS (BC21370-BS1)											Prepared & Analyzed: 03/04/2022
1,1,1,2-Tetrachloroethane	9.59		ppbv	10.0		95.9	70-130				
1,1,1-Trichloroethane	10.1		"	10.0		101	70-130				
1,1,2,2-Tetrachloroethane	9.43		"	10.0		94.3	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	70-130				
1,1,2-Trichloroethane	10.2		"	10.0		102	70-130				
1,1-Dichloroethane	10.1		"	10.0		101	70-130				
1,1-Dichloroethylene	9.35		"	10.0		93.5	70-130				
1,2,4-Trichlorobenzene	8.43		"	10.0		84.3	70-130				
1,2,4-Trimethylbenzene	8.57		"	10.0		85.7	70-130				
1,2-Dibromoethane	10.1		"	10.0		101	70-130				
1,2-Dichlorobenzene	8.21		"	10.0		82.1	70-130				
1,2-Dichloroethane	8.89		"	10.0		88.9	70-130				
1,2-Dichloropropane	9.46		"	10.0		94.6	70-130				
1,2-Dichlorotetrafluoroethane	10.4		"	10.0		104	70-130				
1,3,5-Trimethylbenzene	8.55		"	10.0		85.5	70-130				
1,3-Butadiene	9.44		"	10.0		94.4	70-130				
1,3-Dichlorobenzene	8.55		"	10.0		85.5	70-130				
1,3-Dichloropropane	9.89		"	10.0		98.9	70-130				
1,4-Dichlorobenzene	8.59		"	10.0		85.9	70-130				
1,4-Dioxane	9.88		"	10.0		98.8	70-130				
2-Butanone	9.79		"	10.0		97.9	70-130				
2-Hexanone	7.57		"	10.0		75.7	70-130				
3-Chloropropene	10.3		"	10.0		103	70-130				
4-Methyl-2-pentanone	8.12		"	10.0		81.2	70-130				
Acetone	10.0		"	10.0		100	70-130				
Acrylonitrile	8.41		"	10.0		84.1	70-130				
Benzene	10.0		"	10.0		100	70-130				
Benzyl chloride	9.07		"	10.0		90.7	70-130				
Bromodichloromethane	9.66		"	10.0		96.6	70-130				
Bromoform	9.75		"	10.0		97.5	70-130				
Bromomethane	10.7		"	10.0		107	70-130				
Carbon disulfide	10.8		"	10.0		108	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21370 - EPA TO15 PREP											
LCS (BC21370-BS1)								Prepared & Analyzed: 03/04/2022			
Carbon tetrachloride	10.0		ppbv	10.0		100	70-130				
Chlorobenzene	8.45		"	10.0		84.5	70-130				
Chloroethane	11.3		"	10.0		113	70-130				
Chloroform	10.1		"	10.0		101	70-130				
Chloromethane	10.4		"	10.0		104	70-130				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130				
cis-1,3-Dichloropropylene	10.4		"	10.0		104	70-130				
Cyclohexane	10.9		"	10.0		109	70-130				
Dibromochloromethane	9.50		"	10.0		95.0	70-130				
Dichlorodifluoromethane	10.1		"	10.0		101	70-130				
Ethyl acetate	9.48		"	10.0		94.8	70-130				
Ethyl Benzene	8.57		"	10.0		85.7	70-130				
Hexachlorobutadiene	9.01		"	10.0		90.1	70-130				
Isopropanol	10.1		"	10.0		101	70-130				
Methyl Methacrylate	9.96		"	10.0		99.6	70-130				
Methyl tert-butyl ether (MTBE)	8.81		"	10.0		88.1	70-130				
Methylene chloride	9.50		"	10.0		95.0	70-130				
n-Heptane	10.3		"	10.0		103	70-130				
n-Hexane	11.0		"	10.0		110	70-130				
o-Xylene	8.49		"	10.0		84.9	70-130				
p- & m- Xylenes	17.0		"	20.0		84.8	70-130				
p-Ethyltoluene	9.01		"	10.0		90.1	70-130				
Propylene	10.1		"	10.0		101	70-130				
Styrene	8.85		"	10.0		88.5	70-130				
Tetrachloroethylene	9.84		"	10.0		98.4	70-130				
Tetrahydrofuran	10.1		"	10.0		101	70-130				
Toluene	8.98		"	10.0		89.8	70-130				
trans-1,2-Dichloroethylene	10.3		"	10.0		103	70-130				
trans-1,3-Dichloropropylene	10.0		"	10.0		100	70-130				
Trichloroethylene	8.62		"	10.0		86.2	70-130				
Trichlorofluoromethane (Freon 11)	10.2		"	10.0		102	70-130				
Vinyl acetate	8.23		"	10.0		82.3	70-130				
Vinyl bromide	11.2		"	10.0		112	70-130				
Vinyl Chloride	10.2		"	10.0		102	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21370 - EPA TO15 PREP											
Duplicate (BC21370-DUP1)	*Source sample: 22C0011-02 (EW-4 Eff)								Prepared & Analyzed: 03/04/2022		
1,1,1,2-Tetrachloroethane	ND	2.0	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	1.6	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	2.0	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.3	"		ND					25	
1,1,2-Trichloroethane	ND	1.6	"		ND					25	
1,1-Dichloroethane	ND	1.2	"		ND					25	
1,1-Dichloroethylene	ND	0.29	"		ND					25	
1,2,4-Trichlorobenzene	ND	2.2	"		ND					25	
1,2,4-Trimethylbenzene	ND	1.5	"		ND					25	
1,2-Dibromoethane	ND	2.3	"		ND					25	
1,2-Dichlorobenzene	ND	1.8	"		ND					25	
1,2-Dichloroethane	ND	1.2	"		ND					25	
1,2-Dichloropropane	ND	1.4	"		ND					25	
1,2-Dichlorotetrafluoroethane	4.5	2.1	"		ND					25	
1,3,5-Trimethylbenzene	ND	1.5	"		ND					25	
1,3-Butadiene	ND	2.0	"		ND					25	
1,3-Dichlorobenzene	ND	1.8	"		ND					25	
1,3-Dichloropropane	ND	1.4	"		ND					25	
1,4-Dichlorobenzene	ND	1.8	"		ND					25	
1,4-Dioxane	ND	2.1	"		ND					25	
2-Butanone	47	0.87	"		48				1.10	25	
2-Hexanone	ND	2.4	"		ND					25	
3-Chloropropene	ND	4.6	"		ND					25	
4-Methyl-2-pentanone	ND	1.2	"		ND					25	
Acetone	290	1.4	"		280				2.07	25	
Acrylonitrile	ND	0.64	"		ND					25	
Benzene	ND	0.94	"		ND					25	
Benzyl chloride	ND	1.5	"		ND					25	
Bromodichloromethane	ND	2.0	"		ND					25	
Bromoform	ND	3.0	"		ND					25	
Bromomethane	ND	1.1	"		ND					25	
Carbon disulfide	ND	0.92	"		ND					25	
Carbon tetrachloride	ND	0.46	"		ND					25	
Chlorobenzene	ND	1.4	"		ND					25	
Chloroethane	ND	0.78	"		ND					25	
Chloroform	ND	1.4	"		ND					25	
Chloromethane	ND	0.61	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.29	"		ND					25	
cis-1,3-Dichloropropylene	ND	1.3	"		ND					25	
Cyclohexane	8.0	1.0	"		ND					25	
Dibromochloromethane	500	2.5	"		ND					25	
Dichlorodifluoromethane	2.3	1.5	"		2.2				6.45	25	
Ethyl acetate	ND	2.1	"		ND					25	
Ethyl Benzene	3.6	1.3	"		3.6				0.00	25	
Hexachlorobutadiene	ND	3.1	"		ND					25	
Isopropanol	80	1.5	"		80				0.543	25	
Methyl Methacrylate	ND	1.2	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	1.1	"		ND					25	
Methylene chloride	1.0	2.0	"		2.0				66.7	25	Non-dir.
n-Heptane	4.2	1.2	"		ND					25	

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21370 - EPA TO15 PREP											
Duplicate (BC21370-DUP1)	*Source sample: 22C0011-02 (EW-4 Eff)								Prepared & Analyzed: 03/04/2022		
n-Hexane	ND	1.0	ug/m³		ND					25	
o-Xylene	3.5	1.3	"		3.6				3.64	25	
p- & m- Xylenes	16	2.6	"		16				0.790	25	
p-Ethyltoluene	ND	1.5	"		ND					25	
Propylene	ND	0.51	"		ND					25	
Styrene	ND	1.3	"		ND					25	
Tetrachloroethylene	710	2.0	"		700				1.22	25	
Tetrahydrofuran	9.4	1.7	"		9.7				2.74	25	
Toluene	0.67	1.1	"		ND					25	
trans-1,2-Dichloroethylene	ND	1.2	"		ND					25	
trans-1,3-Dichloropropylene	ND	1.3	"		ND					25	
Trichloroethylene	0.63	0.40	"		0.63				0.00	25	
Trichlorofluoromethane (Freon 11)	5.0	1.7	"		8.5				51.9	25	Non-dir.
Vinyl acetate	ND	1.0	"		ND					25	
Vinyl bromide	ND	1.3	"		ND					25	
Vinyl Chloride	ND	0.38	"		ND					25	

Sample and Data Qualifiers Relating to This Work Order

QR-01 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record - AIR

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22C0011

YOUR Information	Report To:	Invoice To:
Company: DT Consulting Services Inc.	Company: Same	Company: Same
Address:	Address:	Address:
Phone.:	Phone.:	Phone.:
Contact: Deborah Thompson	Contact:	Contact:
E-mail:	E-mail:	E-mail:

YOUR Project Number

YOUR Project Name: 200 East Main LLC C360183

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Deborah Thompson

Samples Collected by: (print your name above and sign below)

Deborah Thompson

Air Matrix Codes

AI - Indoor Ambient Air
AO - Outdoor Amb. Air
AE - Vapor Extraction Well/ Process Gas/Effluent
AS - Soil Vapor/Sub-Slab

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
Other:		

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ___ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
EW-1 Eff	2/28/22 4:30 pm	AE	30	4	36963		TO-15
EW-4 Eff	3/1/22 0900 AM	↓	30	4	17353		1

Comments:

Detection Limits Required

≤ 1 ug/m³ ✓ NYSDEC V1 Limits ___
Routine Survey ___ Other ___

Sampling Media

6 Liter Canister X
Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Deborah Thompson	3/1/22	Chris York	3-1-22 9:40	Chris York	3-1-22 15:45
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
KBlockus / York	3/1/22 1545	KBlockus / York	3/2/22 1305	Dawn Allen	3-2-22 1305
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
Dawn Allen	3-2-22			Adam Cantor	03/03/22 8:55

Technical Report

prepared for:

DT Consulting Services
1291 Old Post Road
Ulster Park NY, 12487
Attention: Deborah Thompson

Report Date: 03/09/2022
Client Project ID: 200 East Main LLC C360183
York Project (SDG) No.: 22C0120

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 03/09/2022
Client Project ID: 200 East Main LLC C360183
York Project (SDG) No.: 22C0120

DT Consulting Services
1291 Old Post Road
Ulster Park NY, 12487
Attention: Deborah Thompson

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 02, 2022 and listed below. The project was identified as your project: **200 East Main LLC C360183**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22C0120-01	EW-2 Eff	Vapor Extraction	03/01/2022	03/02/2022
22C0120-02	EW-3 Eff	Vapor Extraction	03/01/2022	03/02/2022
22C0120-03	EW-5 EFF	Vapor Extraction	03/01/2022	03/02/2022
22C0120-04	EW-6 EFF	Vapor Extraction	03/01/2022	03/02/2022
22C0120-05	EW-7 EFF	Vapor Extraction	03/01/2022	03/02/2022
22C0120-06	EW-8 EFF	Vapor Extraction	03/01/2022	03/02/2022
22C0120-07	EW-9 EFF	Vapor Extraction	03/01/2022	03/02/2022

General Notes for York Project (SDG) No.: 22C0120

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 03/09/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **EW-2 Eff** **York Sample ID:** **22C0120-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 9:45 am	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	9.9	14.38	EPA TO-15 Certifications:	03/04/2022 05:00	03/05/2022 00:55	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	7.8	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	9.9	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	11	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	7.8	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	5.8	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.4	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	11	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	7.1	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	11	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	8.6	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	5.8	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	6.6	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	10	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	7.1	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	9.5	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	8.6	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	6.6	14.38	EPA TO-15 Certifications:	03/04/2022 05:00	03/05/2022 00:55	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	8.6	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	10	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
78-93-3	2-Butanone	ND		ug/m³	4.2	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	12	14.38	EPA TO-15 Certifications:	03/04/2022 05:00	03/05/2022 00:55	LLJ

Sample Information

Client Sample ID: **EW-2 Eff** **York Sample ID:** **22C0120-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 9:45 am	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	23	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	5.9	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
67-64-1	**Acetone**	**15**		ug/m³	6.8	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
107-13-1	Acrylonitrile	ND		ug/m³	3.1	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
71-43-2	Benzene	ND		ug/m³	4.6	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
100-44-7	Benzyl chloride	ND		ug/m³	7.4	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
75-27-4	Bromodichloromethane	ND		ug/m³	9.6	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
75-25-2	Bromoform	ND		ug/m³	15	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
74-83-9	Bromomethane	ND		ug/m³	5.6	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
75-15-0	Carbon disulfide	ND		ug/m³	4.5	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m³	2.3	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
108-90-7	Chlorobenzene	ND		ug/m³	6.6	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
75-00-3	Chloroethane	ND		ug/m³	3.8	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
67-66-3	Chloroform	ND		ug/m³	7.0	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
74-87-3	Chloromethane	ND		ug/m³	3.0	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
156-59-2	**cis-1,2-Dichloroethylene**	**180**		ug/m³	1.4	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	6.5	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
110-82-7	Cyclohexane	ND		ug/m³	4.9	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
124-48-1	Dibromochloromethane	ND		ug/m³	12	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m³	7.1	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
141-78-6	* Ethyl acetate	ND		ug/m³	10	14.38	EPA TO-15 Certifications:	03/04/2022 05:00	03/05/2022 00:55	LLJ
100-41-4	Ethyl Benzene	ND		ug/m³	6.2	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m³	15	14.38	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 00:55	LLJ

Sample Information

Client Sample ID: **EW-2 Eff** **York Sample ID:** **22C0120-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 9:45 am	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	**Isopropanol**	**14**		ug/m³	7.1	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	5.9	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	5.2	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**18**		ug/m³	10	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	n-Heptane	ND		ug/m³	5.9	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	n-Hexane	ND		ug/m³	5.1	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	o-Xylene	ND		ug/m³	6.2	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**19**		ug/m³	12	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	* p-Ethyltoluene	ND		ug/m³	7.1	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	2.5	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	6.1	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**92000**		ug/m³	370	551.6	EPA TO-15	03/07/2022 15:00	03/08/2022 00:01	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	8.5	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications:			
108-88-3	Toluene	ND		ug/m³	5.4	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	5.7	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	6.5	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**410**		ug/m³	1.9	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	8.1	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	5.1	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	6.3	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	1.8	14.38	EPA TO-15	03/04/2022 05:00	03/05/2022 00:55	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **EW-3 Eff** **York Sample ID:** **22C0120-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 10:52 am	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	9.1	13.24	EPA TO-15 Certifications:	03/04/2022 05:00	03/05/2022 01:52	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	7.2	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	9.1	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	10	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	7.2	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	5.4	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.3	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	9.8	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	6.5	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	10	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	8.0	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	5.4	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	6.1	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	9.3	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	6.5	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	8.8	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	8.0	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	6.1	13.24	EPA TO-15 Certifications:	03/04/2022 05:00	03/05/2022 01:52	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	8.0	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	9.5	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
78-93-3	**2-Butanone**	**14**		ug/m³	3.9	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	11	13.24	EPA TO-15 Certifications:	03/04/2022 05:00	03/05/2022 01:52	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	21	13.24	EPA TO-15 Certifications:	03/04/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 01:52	LLJ

Sample Information

Client Sample ID: **EW-3 Eff** **York Sample ID:** **22C0120-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 10:52 am	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	5.4	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**36**		ug/m³	6.3	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	2.9	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	Benzene	ND		ug/m³	4.2	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	6.9	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	8.9	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	14	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	5.1	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	4.1	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	Carbon tetrachloride	ND		ug/m³	2.1	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	6.1	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	3.5	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	6.5	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	Chloromethane	ND		ug/m³	2.7	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	**cis-1,2-Dichloroethylene**	**30**		ug/m³	1.3	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	6.0	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	4.6	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	11	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	Dichlorodifluoromethane	ND		ug/m³	6.5	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	9.5	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	5.7	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	14	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**15**		ug/m³	6.5	13.24	EPA TO-15	03/04/2022 05:00	03/05/2022 01:52	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **EW-3 Eff** **York Sample ID:** **22C0120-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 10:52 am	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m³	5.4	13.24	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 01:52	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	4.8	13.24	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 01:52	LLJ
75-09-2	Methylene chloride	ND		ug/m³	9.2	13.24	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 01:52	LLJ
142-82-5	n-Heptane	ND		ug/m³	5.4	13.24	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 01:52	LLJ
110-54-3	n-Hexane	ND		ug/m³	4.7	13.24	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 01:52	LLJ
95-47-6	o-Xylene	ND		ug/m³	5.7	13.24	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 01:52	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m³	11	13.24	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 01:52	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m³	6.5	13.24	EPA TO-15 Certifications:	03/04/2022 05:00	03/05/2022 01:52	LLJ
115-07-1	* Propylene	ND		ug/m³	2.3	13.24	EPA TO-15 Certifications:	03/04/2022 05:00	03/05/2022 01:52	LLJ
100-42-5	Styrene	ND		ug/m³	5.6	13.24	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 01:52	LLJ
127-18-4	**Tetrachloroethylene**	**950000**		ug/m³	2500	3641	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/07/2022 15:00	03/08/2022 00:58	LLJ
109-99-9	*** Tetrahydrofuran**	**12**		ug/m³	7.8	13.24	EPA TO-15 Certifications:	03/04/2022 05:00	03/05/2022 01:52	LLJ
108-88-3	Toluene	ND		ug/m³	5.0	13.24	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 01:52	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	5.2	13.24	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 01:52	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	6.0	13.24	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 01:52	LLJ
79-01-6	**Trichloroethylene**	**61**		ug/m³	1.8	13.24	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 01:52	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	7.4	13.24	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 01:52	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	4.7	13.24	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 01:52	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	5.8	13.24	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 01:52	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	1.7	13.24	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/04/2022 05:00	03/05/2022 01:52	LLJ

Sample Information

Client Sample ID: EW-5 EFF

York Sample ID: 22C0120-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 11:59 am	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	3.9	5.62	EPA TO-15 Certifications:	03/08/2022 18:00	03/09/2022 03:20	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	3.1	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	3.9	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	4.3	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	3.1	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
75-34-3	1,1-Dichloroethane	ND		ug/m³	2.3	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.56	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	4.2	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	2.8	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
106-93-4	1,2-Dibromoethane	ND		ug/m³	4.3	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	3.4	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
107-06-2	1,2-Dichloroethane	ND		ug/m³	2.3	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
78-87-5	1,2-Dichloropropane	ND		ug/m³	2.6	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	3.9	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	2.8	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
106-99-0	1,3-Butadiene	ND		ug/m³	3.7	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	3.4	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	2.6	5.62	EPA TO-15 Certifications:	03/08/2022 18:00	03/09/2022 03:20	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	3.4	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
123-91-1	1,4-Dioxane	ND		ug/m³	4.1	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
78-93-3	2-Butanone	ND		ug/m³	1.7	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
591-78-6	* 2-Hexanone	ND		ug/m³	4.6	5.62	EPA TO-15 Certifications:	03/08/2022 18:00	03/09/2022 03:20	AS
107-05-1	3-Chloropropene	ND		ug/m³	8.8	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS

Sample Information

Client Sample ID: **EW-5 EFF** **York Sample ID:** **22C0120-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 11:59 am	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	2.3	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
67-64-1	Acetone	ND	TO-CCV, TO-LCS-L	ug/m³	2.7	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
107-13-1	Acrylonitrile	ND		ug/m³	1.2	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
71-43-2	Benzene	ND		ug/m³	1.8	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
100-44-7	Benzyl chloride	ND		ug/m³	2.9	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
75-27-4	Bromodichloromethane	ND		ug/m³	3.8	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
75-25-2	Bromoform	ND		ug/m³	5.8	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
74-83-9	Bromomethane	ND		ug/m³	2.2	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
75-15-0	Carbon disulfide	ND		ug/m³	1.8	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
56-23-5	Carbon tetrachloride	ND		ug/m³	0.88	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
108-90-7	Chlorobenzene	ND		ug/m³	2.6	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
75-00-3	Chloroethane	ND		ug/m³	1.5	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
67-66-3	Chloroform	ND		ug/m³	2.7	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
74-87-3	Chloromethane	ND		ug/m³	1.2	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.56	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	2.6	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
110-82-7	Cyclohexane	ND		ug/m³	1.9	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
124-48-1	Dibromochloromethane	ND		ug/m³	4.8	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	2.8	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
141-78-6	* Ethyl acetate	ND		ug/m³	4.1	5.62	EPA TO-15 Certifications:	03/08/2022 18:00	03/09/2022 03:20	AS
100-41-4	**Ethyl Benzene**	**4.6**		ug/m³	2.4	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS
87-68-3	Hexachlorobutadiene	ND		ug/m³	6.0	5.62	EPA TO-15 Certifications:	03/08/2022 18:00 NELAC-NY12058,NJDEP-Queens	03/09/2022 03:20	AS

Sample Information

Client Sample ID: **EW-5 EFF** **York Sample ID:** **22C0120-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 11:59 am	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	**Isopropanol**	**4.4**		ug/m³	2.8	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	2.3	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	2.0	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	Methylene chloride	ND		ug/m³	3.9	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	n-Heptane	ND		ug/m³	2.3	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	n-Hexane	ND		ug/m³	2.0	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**4.1**		ug/m³	2.4	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**20**		ug/m³	4.9	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	* p-Ethyltoluene	ND		ug/m³	2.8	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.97	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications:			
100-42-5	Styrene	ND		ug/m³	2.4	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**1400**		ug/m³	3.8	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	3.3	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications:			
108-88-3	Toluene	ND		ug/m³	2.1	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	2.2	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	2.6	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**0.91**		ug/m³	0.76	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**22**		ug/m³	3.2	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	2.0	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	2.5	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.72	5.62	EPA TO-15	03/08/2022 18:00	03/09/2022 03:20	AS
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: EW-6 EFF

York Sample ID: 22C0120-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 1:30 pm	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	2.0	2.904	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 15:28	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.6	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	2.0	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	2.2	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.6	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.2	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.29	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.2	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	1.4	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	2.2	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.7	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.2	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.3	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	2.0	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.4	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	1.9	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.7	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	1.3	2.904	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 15:28	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.7	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	2.1	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
78-93-3	2-Butanone	ND		ug/m³	0.86	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	2.4	2.904	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 15:28	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	4.5	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ

Sample Information

Client Sample ID: **EW-6 EFF** **York Sample ID:** **22C0120-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 1:30 pm	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	1.2	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**17**		ug/m³	1.4	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.63	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	Benzene	ND		ug/m³	0.93	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	1.5	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	1.9	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	3.0	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	1.1	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	0.90	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	Carbon tetrachloride	ND		ug/m³	0.46	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	1.3	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.77	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	1.4	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	**Chloromethane**	**0.96**		ug/m³	0.60	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.29	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.3	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	1.0	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	2.5	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**2.9**		ug/m³	1.4	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	2.1	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**3.3**		ug/m³	1.3	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	3.1	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**10**		ug/m³	1.4	2.904	EPA TO-15	03/05/2022 05:00	03/05/2022 15:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **EW-6 EFF** **York Sample ID:** **22C0120-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 1:30 pm	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m³	1.2	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.0	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
75-09-2	Methylene chloride	ND		ug/m³	2.0	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
142-82-5	n-Heptane	ND		ug/m³	1.2	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
110-54-3	**n-Hexane**	**1.1**		ug/m³	1.0	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
95-47-6	**o-Xylene**	**2.8**		ug/m³	1.3	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
179601-23-1	**p- & m- Xylenes**	**15**		ug/m³	2.5	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m³	1.4	2.904	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 15:28	LLJ
115-07-1	*** Propylene**	**1.7**		ug/m³	0.50	2.904	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 15:28	LLJ
100-42-5	Styrene	ND		ug/m³	1.2	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
127-18-4	**Tetrachloroethylene**	**760**		ug/m³	2.0	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.7	2.904	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 15:28	LLJ
108-88-3	**Toluene**	**1.5**		ug/m³	1.1	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	1.2	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.3	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
79-01-6	**Trichloroethylene**	**1.6**		ug/m³	0.39	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
75-69-4	**Trichlorofluoromethane (Freon 11)**	**11**		ug/m³	1.6	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	1.0	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	1.3	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.37	2.904	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 15:28	LLJ

Sample Information

Client Sample ID: EW-7 EFF

York Sample ID: 22C0120-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 2:45 pm	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	2.1	3.084	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 16:28	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.7	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	2.1	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	2.4	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.7	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.2	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.31	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.3	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	1.5	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	2.4	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.9	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.2	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.4	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	2.2	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.5	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	2.0	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.9	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	1.4	3.084	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 16:28	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.9	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	2.2	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
78-93-3	2-Butanone	ND		ug/m³	0.91	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	2.5	3.084	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 16:28	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	4.8	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ

Sample Information

Client Sample ID: **EW-7 EFF** **York Sample ID:** **22C0120-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 2:45 pm	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	1.3	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**5.8**		ug/m³	1.5	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.67	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	Benzene	ND		ug/m³	0.99	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	1.6	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	2.1	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	3.2	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	1.2	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	0.96	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	Carbon tetrachloride	ND		ug/m³	0.49	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	1.4	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.81	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	1.5	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	**Chloromethane**	**0.96**		ug/m³	0.64	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.31	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.4	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	1.1	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	2.6	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**2.9**		ug/m³	1.5	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	2.2	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**3.7**		ug/m³	1.3	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	3.3	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**1.7**		ug/m³	1.5	3.084	EPA TO-15	03/05/2022 05:00	03/05/2022 16:28	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **EW-7 EFF** **York Sample ID:** **22C0120-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 2:45 pm	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m³	1.3	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.1	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
75-09-2	Methylene chloride	ND		ug/m³	2.1	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
142-82-5	n-Heptane	ND		ug/m³	1.3	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
110-54-3	n-Hexane	ND		ug/m³	1.1	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
95-47-6	**o-Xylene**	**2.8**		ug/m³	1.3	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
179601-23-1	**p- & m- Xylenes**	**18**		ug/m³	2.7	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m³	1.5	3.084	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 16:28	LLJ
115-07-1	*** Propylene**	**1.8**		ug/m³	0.53	3.084	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 16:28	LLJ
100-42-5	Styrene	ND		ug/m³	1.3	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
127-18-4	**Tetrachloroethylene**	**1000**		ug/m³	2.1	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.8	3.084	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 16:28	LLJ
108-88-3	Toluene	ND		ug/m³	1.2	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	1.2	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.4	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
79-01-6	**Trichloroethylene**	**1.2**		ug/m³	0.41	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.7**		ug/m³	1.7	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	1.1	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	1.3	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.39	3.084	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 16:28	LLJ

Sample Information

Client Sample ID: EW-8 EFF

York Sample ID: 22C0120-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 3:20 pm	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	9.7	14.18	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 12:35	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	7.7	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	9.7	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	11	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	7.7	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	5.7	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.4	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	11	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	7.0	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	11	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	8.5	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	5.7	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	6.6	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	9.9	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	7.0	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	9.4	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	8.5	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	6.6	14.18	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 12:35	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	8.5	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	10	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
78-93-3	2-Butanone	ND		ug/m³	4.2	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	12	14.18	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 12:35	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	22	14.18	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 12:35	LLJ

Sample Information

Client Sample ID: **EW-8 EFF** **York Sample ID:** **22C0120-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 3:20 pm	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	5.8	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**19**		ug/m³	6.7	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	3.1	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	Benzene	ND		ug/m³	4.5	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	7.3	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	9.5	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	15	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	5.5	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	4.4	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	Carbon tetrachloride	ND		ug/m³	2.2	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	6.5	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	3.7	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	6.9	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	Chloromethane	ND		ug/m³	2.9	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	1.4	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	6.4	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	4.9	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	12	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	Dichlorodifluoromethane	ND		ug/m³	7.0	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	10	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	6.2	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	15	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**22**		ug/m³	7.0	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **EW-8 EFF** **York Sample ID:** **22C0120-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 3:20 pm	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m³	5.8	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	5.1	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	Methylene chloride	ND		ug/m³	9.9	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	n-Heptane	ND		ug/m³	5.8	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	n-Hexane	ND		ug/m³	5.0	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	o-Xylene	ND		ug/m³	6.2	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	p- & m- Xylenes	ND		ug/m³	12	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	* p-Ethyltoluene	ND		ug/m³	7.0	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	2.4	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	6.0	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**3000**		ug/m³	9.6	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	8.4	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications:			
108-88-3	Toluene	ND		ug/m³	5.3	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	5.6	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	6.4	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**3.0**		ug/m³	1.9	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	8.0	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	5.0	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	6.2	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	1.8	14.18	EPA TO-15	03/05/2022 05:00	03/05/2022 12:35	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **EW-9 EFF** **York Sample ID:** **22C0120-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 5:05 pm	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	9.4	13.7	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 13:32	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	7.5	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	9.4	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	10	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	7.5	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	5.5	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.4	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	10	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	6.7	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	11	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	8.2	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	5.5	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	6.3	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	9.6	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	6.7	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	9.1	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	8.2	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	6.3	13.7	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 13:32	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	8.2	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	9.9	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
78-93-3	**2-Butanone**	**6.5**		ug/m³	4.0	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	11	13.7	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 13:32	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	21	13.7	EPA TO-15 Certifications:	03/05/2022 05:00 NELAC-NY12058,NJDEP-Queens	03/05/2022 13:32	LLJ

Sample Information

Client Sample ID: **EW-9 EFF** **York Sample ID:** **22C0120-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 5:05 pm	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	5.6	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**22**		ug/m³	6.5	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	3.0	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	Benzene	ND		ug/m³	4.4	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	7.1	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	9.2	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	14	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	5.3	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	4.3	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	Carbon tetrachloride	ND		ug/m³	2.2	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	6.3	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	3.6	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	6.7	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	Chloromethane	ND		ug/m³	2.8	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	**cis-1,2-Dichloroethylene**	**97**		ug/m³	1.4	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	6.2	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	4.7	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	12	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	Dichlorodifluoromethane	ND		ug/m³	6.8	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	9.9	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**17**		ug/m³	5.9	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	15	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**7.7**		ug/m³	6.7	13.7	EPA TO-15	03/05/2022 05:00	03/05/2022 13:32	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **EW-9 EFF** **York Sample ID:** **22C0120-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0120	200 East Main LLC C360183	Vapor Extraction	March 1, 2022 5:05 pm	03/02/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m³	5.6	13.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 13:32	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	4.9	13.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 13:32	LLJ
75-09-2	Methylene chloride	ND		ug/m³	9.5	13.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 13:32	LLJ
142-82-5	n-Heptane	ND		ug/m³	5.6	13.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 13:32	LLJ
110-54-3	n-Hexane	ND		ug/m³	4.8	13.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 13:32	LLJ
95-47-6	**o-Xylene**	**12**		ug/m³	5.9	13.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 13:32	LLJ
179601-23-1	**p- & m- Xylenes**	**74**		ug/m³	12	13.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 13:32	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m³	6.7	13.7	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 13:32	LLJ
115-07-1	* Propylene	ND		ug/m³	2.4	13.7	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 13:32	LLJ
100-42-5	Styrene	ND		ug/m³	5.8	13.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 13:32	LLJ
127-18-4	**Tetrachloroethylene**	**100000**		ug/m³	360	525.5	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/07/2022 15:00	03/08/2022 01:54	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m³	8.1	13.7	EPA TO-15 Certifications:	03/05/2022 05:00	03/05/2022 13:32	LLJ
108-88-3	Toluene	ND		ug/m³	5.2	13.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 13:32	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	5.4	13.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 13:32	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	6.2	13.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 13:32	LLJ
79-01-6	**Trichloroethylene**	**280**		ug/m³	1.8	13.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 13:32	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	7.7	13.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 13:32	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	4.8	13.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 13:32	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	6.0	13.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 13:32	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	1.8	13.7	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/05/2022 05:00	03/05/2022 13:32	LLJ

Analytical Batch Summary

Batch ID: BC21370 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
22C0120-01	EW-2 Eff	03/04/22
22C0120-02	EW-3 Eff	03/04/22
BC21370-BLK1	Blank	03/04/22
BC21370-BS1	LCS	03/04/22
BC21370-DUP1	Duplicate	03/04/22

Batch ID: BC21616 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
22C0120-04	EW-6 EFF	03/05/22
22C0120-05	EW-7 EFF	03/05/22
22C0120-06	EW-8 EFF	03/05/22
22C0120-07	EW-9 EFF	03/05/22
BC21616-BLK1	Blank	03/05/22
BC21616-BS1	LCS	03/05/22
BC21616-DUP1	Duplicate	03/05/22

Batch ID: BC21620 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
22C0120-01RE1	EW-2 Eff	03/07/22
22C0120-02RE1	EW-3 Eff	03/07/22
22C0120-07RE1	EW-9 EFF	03/07/22
BC21620-BLK1	Blank	03/07/22
BC21620-BS1	LCS	03/07/22

Batch ID: BC21874 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
22C0120-03	EW-5 EFF	03/08/22
BC21874-BLK1	Blank	03/08/22
BC21874-BS1	LCS	03/08/22
BC21874-DUP1	Duplicate	03/08/22

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21370 - EPA TO15 PREP											
Blank (BC21370-BLK1)											Prepared & Analyzed: 03/04/2022
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21370 - EPA TO15 PREP											
Blank (BC21370-BLK1)											Prepared & Analyzed: 03/04/2022
n-Heptane	ND	0.41	ug/m³								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								
LCS (BC21370-BS1)											Prepared & Analyzed: 03/04/2022
1,1,1,2-Tetrachloroethane	9.59		ppbv	10.0		95.9	70-130				
1,1,1-Trichloroethane	10.1		"	10.0		101	70-130				
1,1,2,2-Tetrachloroethane	9.43		"	10.0		94.3	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	70-130				
1,1,2-Trichloroethane	10.2		"	10.0		102	70-130				
1,1-Dichloroethane	10.1		"	10.0		101	70-130				
1,1-Dichloroethylene	9.35		"	10.0		93.5	70-130				
1,2,4-Trichlorobenzene	8.43		"	10.0		84.3	70-130				
1,2,4-Trimethylbenzene	8.57		"	10.0		85.7	70-130				
1,2-Dibromoethane	10.1		"	10.0		101	70-130				
1,2-Dichlorobenzene	8.21		"	10.0		82.1	70-130				
1,2-Dichloroethane	8.89		"	10.0		88.9	70-130				
1,2-Dichloropropane	9.46		"	10.0		94.6	70-130				
1,2-Dichlorotetrafluoroethane	10.4		"	10.0		104	70-130				
1,3,5-Trimethylbenzene	8.55		"	10.0		85.5	70-130				
1,3-Butadiene	9.44		"	10.0		94.4	70-130				
1,3-Dichlorobenzene	8.55		"	10.0		85.5	70-130				
1,3-Dichloropropane	9.89		"	10.0		98.9	70-130				
1,4-Dichlorobenzene	8.59		"	10.0		85.9	70-130				
1,4-Dioxane	9.88		"	10.0		98.8	70-130				
2-Butanone	9.79		"	10.0		97.9	70-130				
2-Hexanone	7.57		"	10.0		75.7	70-130				
3-Chloropropene	10.3		"	10.0		103	70-130				
4-Methyl-2-pentanone	8.12		"	10.0		81.2	70-130				
Acetone	10.0		"	10.0		100	70-130				
Acrylonitrile	8.41		"	10.0		84.1	70-130				
Benzene	10.0		"	10.0		100	70-130				
Benzyl chloride	9.07		"	10.0		90.7	70-130				
Bromodichloromethane	9.66		"	10.0		96.6	70-130				
Bromoform	9.75		"	10.0		97.5	70-130				
Bromomethane	10.7		"	10.0		107	70-130				
Carbon disulfide	10.8		"	10.0		108	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21370 - EPA TO15 PREP											
LCS (BC21370-BS1)								Prepared & Analyzed: 03/04/2022			
Carbon tetrachloride	10.0		ppbv	10.0		100	70-130				
Chlorobenzene	8.45		"	10.0		84.5	70-130				
Chloroethane	11.3		"	10.0		113	70-130				
Chloroform	10.1		"	10.0		101	70-130				
Chloromethane	10.4		"	10.0		104	70-130				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130				
cis-1,3-Dichloropropylene	10.4		"	10.0		104	70-130				
Cyclohexane	10.9		"	10.0		109	70-130				
Dibromochloromethane	9.50		"	10.0		95.0	70-130				
Dichlorodifluoromethane	10.1		"	10.0		101	70-130				
Ethyl acetate	9.48		"	10.0		94.8	70-130				
Ethyl Benzene	8.57		"	10.0		85.7	70-130				
Hexachlorobutadiene	9.01		"	10.0		90.1	70-130				
Isopropanol	10.1		"	10.0		101	70-130				
Methyl Methacrylate	9.96		"	10.0		99.6	70-130				
Methyl tert-butyl ether (MTBE)	8.81		"	10.0		88.1	70-130				
Methylene chloride	9.50		"	10.0		95.0	70-130				
n-Heptane	10.3		"	10.0		103	70-130				
n-Hexane	11.0		"	10.0		110	70-130				
o-Xylene	8.49		"	10.0		84.9	70-130				
p- & m- Xylenes	17.0		"	20.0		84.8	70-130				
p-Ethyltoluene	9.01		"	10.0		90.1	70-130				
Propylene	10.1		"	10.0		101	70-130				
Styrene	8.85		"	10.0		88.5	70-130				
Tetrachloroethylene	9.84		"	10.0		98.4	70-130				
Tetrahydrofuran	10.1		"	10.0		101	70-130				
Toluene	8.98		"	10.0		89.8	70-130				
trans-1,2-Dichloroethylene	10.3		"	10.0		103	70-130				
trans-1,3-Dichloropropylene	10.0		"	10.0		100	70-130				
Trichloroethylene	8.62		"	10.0		86.2	70-130				
Trichlorofluoromethane (Freon 11)	10.2		"	10.0		102	70-130				
Vinyl acetate	8.23		"	10.0		82.3	70-130				
Vinyl bromide	11.2		"	10.0		112	70-130				
Vinyl Chloride	10.2		"	10.0		102	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21370 - EPA TO15 PREP											
Duplicate (BC21370-DUP1)	*Source sample: 22C0011-02 (Duplicate)								Prepared & Analyzed: 03/04/2022		
1,1,1,2-Tetrachloroethane	ND	2.0	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	1.6	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	2.0	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.3	"		ND					25	
1,1,2-Trichloroethane	ND	1.6	"		ND					25	
1,1-Dichloroethane	ND	1.2	"		ND					25	
1,1-Dichloroethylene	ND	0.29	"		ND					25	
1,2,4-Trichlorobenzene	ND	2.2	"		ND					25	
1,2,4-Trimethylbenzene	ND	1.5	"		ND					25	
1,2-Dibromoethane	ND	2.3	"		ND					25	
1,2-Dichlorobenzene	ND	1.8	"		ND					25	
1,2-Dichloroethane	ND	1.2	"		ND					25	
1,2-Dichloropropane	ND	1.4	"		ND					25	
1,2-Dichlorotetrafluoroethane	4.5	2.1	"		ND					25	
1,3,5-Trimethylbenzene	ND	1.5	"		ND					25	
1,3-Butadiene	ND	2.0	"		ND					25	
1,3-Dichlorobenzene	ND	1.8	"		ND					25	
1,3-Dichloropropane	ND	1.4	"		ND					25	
1,4-Dichlorobenzene	ND	1.8	"		ND					25	
1,4-Dioxane	ND	2.1	"		ND					25	
2-Butanone	47	0.87	"		48				1.10	25	
2-Hexanone	ND	2.4	"		ND					25	
3-Chloropropene	ND	4.6	"		ND					25	
4-Methyl-2-pentanone	ND	1.2	"		ND					25	
Acetone	290	1.4	"		280				2.07	25	
Acrylonitrile	ND	0.64	"		ND					25	
Benzene	ND	0.94	"		ND					25	
Benzyl chloride	ND	1.5	"		ND					25	
Bromodichloromethane	ND	2.0	"		ND					25	
Bromoform	ND	3.0	"		ND					25	
Bromomethane	ND	1.1	"		ND					25	
Carbon disulfide	ND	0.92	"		ND					25	
Carbon tetrachloride	ND	0.46	"		ND					25	
Chlorobenzene	ND	1.4	"		ND					25	
Chloroethane	ND	0.78	"		ND					25	
Chloroform	ND	1.4	"		ND					25	
Chloromethane	ND	0.61	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.29	"		ND					25	
cis-1,3-Dichloropropylene	ND	1.3	"		ND					25	
Cyclohexane	8.0	1.0	"		ND					25	
Dibromochloromethane	500	2.5	"		ND					25	
Dichlorodifluoromethane	2.3	1.5	"		2.2				6.45	25	
Ethyl acetate	ND	2.1	"		ND					25	
Ethyl Benzene	3.6	1.3	"		3.6				0.00	25	
Hexachlorobutadiene	ND	3.1	"		ND					25	
Isopropanol	80	1.5	"		80				0.543	25	
Methyl Methacrylate	ND	1.2	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	1.1	"		ND					25	
Methylene chloride	1.0	2.0	"		2.0				66.7	25	Non-dir.
n-Heptane	4.2	1.2	"		ND					25	

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21370 - EPA TO15 PREP											
Duplicate (BC21370-DUP1)	*Source sample: 22C0011-02 (Duplicate)								Prepared & Analyzed: 03/04/2022		
n-Hexane	ND	1.0	ug/m³		ND					25	
o-Xylene	3.5	1.3	"		3.6				3.64	25	
p- & m- Xylenes	16	2.6	"		16				0.790	25	
p-Ethyltoluene	ND	1.5	"		ND					25	
Propylene	ND	0.51	"		ND					25	
Styrene	ND	1.3	"		ND					25	
Tetrachloroethylene	710	2.0	"		700				1.22	25	
Tetrahydrofuran	9.4	1.7	"		9.7				2.74	25	
Toluene	0.67	1.1	"		ND					25	
trans-1,2-Dichloroethylene	ND	1.2	"		ND					25	
trans-1,3-Dichloropropylene	ND	1.3	"		ND					25	
Trichloroethylene	0.63	0.40	"		0.63				0.00	25	
Trichlorofluoromethane (Freon 11)	5.0	1.7	"		8.5				51.9	25	Non-dir.
Vinyl acetate	ND	1.0	"		ND					25	
Vinyl bromide	ND	1.3	"		ND					25	
Vinyl Chloride	ND	0.38	"		ND					25	
Batch BC21616 - EPA TO15 PREP											
Blank (BC21616-BLK1)									Prepared & Analyzed: 03/05/2022		
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21616 - EPA TO15 PREP											
Blank (BC21616-BLK1)											Prepared & Analyzed: 03/05/2022
Carbon disulfide	ND	0.31	ug/m³								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21616 - EPA TO15 PREP											
LCS (BC21616-BS1)								Prepared & Analyzed: 03/05/2022			
1,1,1,2-Tetrachloroethane	9.97		ppbv	10.0		99.7	70-130				
1,1,1-Trichloroethane	10.9		"	10.0		109	70-130				
1,1,2,2-Tetrachloroethane	9.40		"	10.0		94.0	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	70-130				
1,1,2-Trichloroethane	10.3		"	10.0		103	70-130				
1,1-Dichloroethane	10.1		"	10.0		101	70-130				
1,1-Dichloroethylene	9.77		"	10.0		97.7	70-130				
1,2,4-Trichlorobenzene	8.97		"	10.0		89.7	70-130				
1,2,4-Trimethylbenzene	9.00		"	10.0		90.0	70-130				
1,2-Dibromoethane	10.3		"	10.0		103	70-130				
1,2-Dichlorobenzene	8.58		"	10.0		85.8	70-130				
1,2-Dichloroethane	9.66		"	10.0		96.6	70-130				
1,2-Dichloropropane	9.15		"	10.0		91.5	70-130				
1,2-Dichlorotetrafluoroethane	11.2		"	10.0		112	70-130				
1,3,5-Trimethylbenzene	8.94		"	10.0		89.4	70-130				
1,3-Butadiene	10.1		"	10.0		101	70-130				
1,3-Dichlorobenzene	8.87		"	10.0		88.7	70-130				
1,3-Dichloropropane	10.1		"	10.0		101	70-130				
1,4-Dichlorobenzene	8.92		"	10.0		89.2	70-130				
1,4-Dioxane	9.72		"	10.0		97.2	70-130				
2-Butanone	9.77		"	10.0		97.7	70-130				
2-Hexanone	7.74		"	10.0		77.4	70-130				
3-Chloropropene	10.0		"	10.0		100	70-130				
4-Methyl-2-pentanone	8.10		"	10.0		81.0	70-130				
Acetone	10.4		"	10.0		104	70-130				
Acrylonitrile	8.27		"	10.0		82.7	70-130				
Benzene	9.70		"	10.0		97.0	70-130				
Benzyl chloride	9.40		"	10.0		94.0	70-130				
Bromodichloromethane	10.1		"	10.0		101	70-130				
Bromoform	10.2		"	10.0		102	70-130				
Bromomethane	10.6		"	10.0		106	70-130				
Carbon disulfide	10.3		"	10.0		103	70-130				
Carbon tetrachloride	10.3		"	10.0		103	70-130				
Chlorobenzene	8.34		"	10.0		83.4	70-130				
Chloroethane	10.6		"	10.0		106	70-130				
Chloroform	10.5		"	10.0		105	70-130				
Chloromethane	10.9		"	10.0		109	70-130				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130				
cis-1,3-Dichloropropylene	10.3		"	10.0		103	70-130				
Cyclohexane	10.4		"	10.0		104	70-130				
Dibromochloromethane	10.0		"	10.0		100	70-130				
Dichlorodifluoromethane	11.2		"	10.0		112	70-130				
Ethyl acetate	9.52		"	10.0		95.2	70-130				
Ethyl Benzene	8.61		"	10.0		86.1	70-130				
Hexachlorobutadiene	9.53		"	10.0		95.3	70-130				
Isopropanol	10.0		"	10.0		100	70-130				
Methyl Methacrylate	9.99		"	10.0		99.9	70-130				
Methyl tert-butyl ether (MTBE)	9.04		"	10.0		90.4	70-130				
Methylene chloride	9.55		"	10.0		95.5	70-130				
n-Heptane	10.0		"	10.0		100	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21616 - EPA TO15 PREP											
LCS (BC21616-BS1)								Prepared & Analyzed: 03/05/2022			
n-Hexane	10.6		ppbv	10.0		106	70-130				
o-Xylene	8.68		"	10.0		86.8	70-130				
p- & m- Xylenes	17.3		"	20.0		86.4	70-130				
p-Ethyltoluene	9.24		"	10.0		92.4	70-130				
Propylene	10.3		"	10.0		103	70-130				
Styrene	8.83		"	10.0		88.3	70-130				
Tetrachloroethylene	10.2		"	10.0		102	70-130				
Tetrahydrofuran	9.94		"	10.0		99.4	70-130				
Toluene	8.92		"	10.0		89.2	70-130				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	70-130				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	70-130				
Trichloroethylene	8.89		"	10.0		88.9	70-130				
Trichlorofluoromethane (Freon 11)	11.2		"	10.0		112	70-130				
Vinyl acetate	8.13		"	10.0		81.3	70-130				
Vinyl bromide	11.0		"	10.0		110	70-130				
Vinyl Chloride	11.0		"	10.0		110	70-130				
Duplicate (BC21616-DUP1)	*Source sample: 22C0052-01 (Duplicate)							Prepared & Analyzed: 03/05/2022			
1,1,1,2-Tetrachloroethane	ND	1.2	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	0.94	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.2	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.3	"		ND					25	
1,1,2-Trichloroethane	ND	0.94	"		ND					25	
1,1-Dichloroethane	ND	0.70	"		ND					25	
1,1-Dichloroethylene	ND	0.17	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.3	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.85	"		ND					25	
1,2-Dibromoethane	ND	1.3	"		ND					25	
1,2-Dichlorobenzene	ND	1.0	"		ND					25	
1,2-Dichloroethane	ND	0.70	"		ND					25	
1,2-Dichloropropane	ND	0.80	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.2	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.85	"		ND					25	
1,3-Butadiene	ND	1.1	"		ND					25	
1,3-Dichlorobenzene	ND	1.0	"		ND					25	
1,3-Dichloropropane	ND	0.80	"		ND					25	
1,4-Dichlorobenzene	ND	1.0	"		ND					25	
1,4-Dioxane	ND	1.2	"		ND					25	
2-Butanone	2.2	0.51	"		2.2				2.30	25	
2-Hexanone	ND	1.4	"		ND					25	
3-Chloropropene	ND	2.7	"		ND					25	
4-Methyl-2-pentanone	ND	0.71	"		ND					25	
Acetone	16	0.82	"		16				1.31	25	
Acrylonitrile	ND	0.38	"		ND					25	
Benzene	0.72	0.55	"		0.88				20.7	25	
Benzyl chloride	ND	0.90	"		ND					25	
Bromodichloromethane	ND	1.2	"		ND					25	
Bromoform	ND	1.8	"		ND					25	
Bromomethane	ND	0.67	"		ND					25	
Carbon disulfide	ND	0.54	"		ND					25	
Carbon tetrachloride	0.33	0.27	"		0.33				0.00	25	

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21616 - EPA TO15 PREP											
Duplicate (BC21616-DUP1)	*Source sample: 22C0052-01 (Duplicate)								Prepared & Analyzed: 03/05/2022		
Chlorobenzene	ND	0.80	ug/m³		ND					25	
Chloroethane	ND	0.46	"		ND					25	
Chloroform	0.93	0.84	"		0.93				0.00	25	
Chloromethane	0.89	0.36	"		1.2				30.5	25	Non-dir.
cis-1,2-Dichloroethylene	17	0.17	"		17				0.393	25	
cis-1,3-Dichloropropylene	ND	0.78	"		ND					25	
Cyclohexane	ND	0.60	"		ND					25	
Dibromochloromethane	ND	1.5	"		ND					25	
Dichlorodifluoromethane	3.0	0.86	"		2.9				2.90	25	
Ethyl acetate	ND	1.2	"		ND					25	
Ethyl Benzene	ND	0.75	"		ND					25	
Hexachlorobutadiene	ND	1.8	"		ND					25	
Isopropanol	17	0.85	"		18				1.47	25	
Methyl Methacrylate	ND	0.71	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.62	"		ND					25	
Methylene chloride	81	1.2	"		80				1.86	25	
n-Heptane	ND	0.71	"		ND					25	
n-Hexane	0.61	0.61	"		0.61				0.00	25	
o-Xylene	ND	0.75	"		0.23					25	
p- & m- Xylenes	ND	1.5	"		ND					25	
p-Ethyltoluene	ND	0.85	"		ND					25	
Propylene	ND	0.30	"		ND					25	
Styrene	ND	0.74	"		ND					25	
Tetrachloroethylene	61	1.2	"		60				1.75	25	
Tetrahydrofuran	0.61	1.0	"		0.36				52.6	25	Non-dir.
Toluene	2.1	0.65	"		2.3				8.96	25	
trans-1,2-Dichloroethylene	ND	0.69	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.78	"		ND					25	
Trichloroethylene	20	0.23	"		19				2.88	25	
Trichlorofluoromethane (Freon 11)	1.5	0.97	"		1.5				0.00	25	
Vinyl acetate	ND	0.61	"		ND					25	
Vinyl bromide	ND	0.76	"		ND					25	
Vinyl Chloride	ND	0.22	"		ND					25	

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21620 - EPA TO15 PREP											
Blank (BC21620-BLK1)											Prepared & Analyzed: 03/07/2022
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21620 - EPA TO15 PREP											
Blank (BC21620-BLK1)								Prepared & Analyzed: 03/07/2022			
n-Hexane	ND	0.35	ug/m³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								
LCS (BC21620-BS1)								Prepared & Analyzed: 03/07/2022			
1,1,1,2-Tetrachloroethane	8.89		ppbv	10.0		88.9	70-130				
1,1,1-Trichloroethane	9.61		"	10.0		96.1	70-130				
1,1,2,2-Tetrachloroethane	9.08		"	10.0		90.8	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	70-130				
1,1,2-Trichloroethane	9.72		"	10.0		97.2	70-130				
1,1-Dichloroethane	10.0		"	10.0		100	70-130				
1,1-Dichloroethylene	9.11		"	10.0		91.1	70-130				
1,2,4-Trichlorobenzene	7.91		"	10.0		79.1	70-130				
1,2,4-Trimethylbenzene	7.94		"	10.0		79.4	70-130				
1,2-Dibromoethane	9.37		"	10.0		93.7	70-130				
1,2-Dichlorobenzene	7.60		"	10.0		76.0	70-130				
1,2-Dichloroethane	8.27		"	10.0		82.7	70-130				
1,2-Dichloropropane	9.07		"	10.0		90.7	70-130				
1,2-Dichlorotetrafluoroethane	10.4		"	10.0		104	70-130				
1,3,5-Trimethylbenzene	8.05		"	10.0		80.5	70-130				
1,3-Butadiene	9.14		"	10.0		91.4	70-130				
1,3-Dichlorobenzene	7.94		"	10.0		79.4	70-130				
1,3-Dichloropropane	9.37		"	10.0		93.7	70-130				
1,4-Dichlorobenzene	8.03		"	10.0		80.3	70-130				
1,4-Dioxane	9.68		"	10.0		96.8	70-130				
2-Butanone	9.48		"	10.0		94.8	70-130				
2-Hexanone	6.70		"	10.0		67.0	70-130	Low Bias			
3-Chloropropene	10.0		"	10.0		100	70-130				
4-Methyl-2-pentanone	7.18		"	10.0		71.8	70-130				
Acetone	9.31		"	10.0		93.1	70-130				
Acrylonitrile	8.75		"	10.0		87.5	70-130				
Benzene	10.7		"	10.0		107	70-130				
Benzyl chloride	8.18		"	10.0		81.8	70-130				
Bromodichloromethane	8.42		"	10.0		84.2	70-130				
Bromoform	9.13		"	10.0		91.3	70-130				
Bromomethane	11.3		"	10.0		113	70-130				
Carbon disulfide	11.2		"	10.0		112	70-130				
Carbon tetrachloride	8.89		"	10.0		88.9	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21620 - EPA TO15 PREP											
LCS (BC21620-BS1)								Prepared & Analyzed: 03/07/2022			
Chlorobenzene	8.21		ppbv	10.0		82.1	70-130				
Chloroethane	11.6		"	10.0		116	70-130				
Chloroform	9.92		"	10.0		99.2	70-130				
Chloromethane	9.91		"	10.0		99.1	70-130				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	70-130				
cis-1,3-Dichloropropylene	9.64		"	10.0		96.4	70-130				
Cyclohexane	11.2		"	10.0		112	70-130				
Dibromochloromethane	8.53		"	10.0		85.3	70-130				
Dichlorodifluoromethane	9.59		"	10.0		95.9	70-130				
Ethyl acetate	9.22		"	10.0		92.2	70-130				
Ethyl Benzene	8.10		"	10.0		81.0	70-130				
Hexachlorobutadiene	8.29		"	10.0		82.9	70-130				
Isopropanol	9.66		"	10.0		96.6	70-130				
Methyl Methacrylate	9.67		"	10.0		96.7	70-130				
Methyl tert-butyl ether (MTBE)	8.82		"	10.0		88.2	70-130				
Methylene chloride	9.10		"	10.0		91.0	70-130				
n-Heptane	10.0		"	10.0		100	70-130				
n-Hexane	11.4		"	10.0		114	70-130				
o-Xylene	7.92		"	10.0		79.2	70-130				
p- & m- Xylenes	15.8		"	20.0		78.8	70-130				
p-Ethyltoluene	8.40		"	10.0		84.0	70-130				
Propylene	10.1		"	10.0		101	70-130				
Styrene	8.48		"	10.0		84.8	70-130				
Tetrachloroethylene	9.80		"	10.0		98.0	70-130				
Tetrahydrofuran	10.0		"	10.0		100	70-130				
Toluene	8.62		"	10.0		86.2	70-130				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130				
trans-1,3-Dichloropropylene	9.10		"	10.0		91.0	70-130				
Trichloroethylene	8.20		"	10.0		82.0	70-130				
Trichlorofluoromethane (Freon 11)	9.50		"	10.0		95.0	70-130				
Vinyl acetate	7.70		"	10.0		77.0	70-130				
Vinyl bromide	11.7		"	10.0		117	70-130				
Vinyl Chloride	9.89		"	10.0		98.9	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21874 - EPA TO15 PREP											
Blank (BC21874-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								

Prepared: 03/08/2022 Analyzed: 03/09/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21874 - EPA TO15 PREP											
Blank (BC21874-BLK1)									Prepared: 03/08/2022 Analyzed: 03/09/2022		
n-Hexane	ND	0.35	ug/m³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								
LCS (BC21874-BS1)									Prepared: 03/08/2022 Analyzed: 03/09/2022		
1,1,1,2-Tetrachloroethane	8.59		ppbv	10.0		85.9	70-130				
1,1,1-Trichloroethane	9.23		"	10.0		92.3	70-130				
1,1,2,2-Tetrachloroethane	8.93		"	10.0		89.3	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	70-130				
1,1,2-Trichloroethane	9.34		"	10.0		93.4	70-130				
1,1-Dichloroethane	9.67		"	10.0		96.7	70-130				
1,1-Dichloroethylene	8.76		"	10.0		87.6	70-130				
1,2,4-Trichlorobenzene	7.50		"	10.0		75.0	70-130				
1,2,4-Trimethylbenzene	7.73		"	10.0		77.3	70-130				
1,2-Dibromoethane	9.10		"	10.0		91.0	70-130				
1,2-Dichlorobenzene	7.38		"	10.0		73.8	70-130				
1,2-Dichloroethane	7.92		"	10.0		79.2	70-130				
1,2-Dichloropropane	8.89		"	10.0		88.9	70-130				
1,2-Dichlorotetrafluoroethane	10.2		"	10.0		102	70-130				
1,3,5-Trimethylbenzene	7.69		"	10.0		76.9	70-130				
1,3-Butadiene	8.73		"	10.0		87.3	70-130				
1,3-Dichlorobenzene	7.78		"	10.0		77.8	70-130				
1,3-Dichloropropane	8.93		"	10.0		89.3	70-130				
1,4-Dichlorobenzene	7.84		"	10.0		78.4	70-130				
1,4-Dioxane	9.57		"	10.0		95.7	70-130				
2-Butanone	9.14		"	10.0		91.4	70-130				
2-Hexanone	6.18		"	10.0		61.8	70-130	Low Bias			
3-Chloropropene	9.53		"	10.0		95.3	70-130				
4-Methyl-2-pentanone	6.79		"	10.0		67.9	70-130	Low Bias			
Acetone	5.37		"	10.0		53.7	70-130	Low Bias			
Acrylonitrile	8.46		"	10.0		84.6	70-130				
Benzene	10.8		"	10.0		108	70-130				
Benzyl chloride	7.72		"	10.0		77.2	70-130				
Bromodichloromethane	8.01		"	10.0		80.1	70-130				
Bromoform	8.87		"	10.0		88.7	70-130				
Bromomethane	11.0		"	10.0		110	70-130				
Carbon disulfide	11.0		"	10.0		110	70-130				
Carbon tetrachloride	8.39		"	10.0		83.9	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21874 - EPA TO15 PREP											
LCS (BC21874-BS1)									Prepared: 03/08/2022 Analyzed: 03/09/2022		
Chlorobenzene	8.01		ppbv	10.0		80.1	70-130				
Chloroethane	11.3		"	10.0		113	70-130				
Chloroform	9.52		"	10.0		95.2	70-130				
Chloromethane	9.85		"	10.0		98.5	70-130				
cis-1,2-Dichloroethylene	9.73		"	10.0		97.3	70-130				
cis-1,3-Dichloropropylene	9.27		"	10.0		92.7	70-130				
Cyclohexane	10.9		"	10.0		109	70-130				
Dibromochloromethane	8.05		"	10.0		80.5	70-130				
Dichlorodifluoromethane	9.03		"	10.0		90.3	70-130				
Ethyl acetate	8.78		"	10.0		87.8	70-130				
Ethyl Benzene	7.91		"	10.0		79.1	70-130				
Hexachlorobutadiene	7.60		"	10.0		76.0	70-130				
Isopropanol	9.30		"	10.0		93.0	70-130				
Methyl Methacrylate	9.38		"	10.0		93.8	70-130				
Methyl tert-butyl ether (MTBE)	8.62		"	10.0		86.2	70-130				
Methylene chloride	8.77		"	10.0		87.7	70-130				
n-Heptane	9.86		"	10.0		98.6	70-130				
n-Hexane	11.1		"	10.0		111	70-130				
o-Xylene	7.70		"	10.0		77.0	70-130				
p- & m- Xylenes	15.4		"	20.0		77.0	70-130				
p-Ethyltoluene	8.18		"	10.0		81.8	70-130				
Propylene	9.71		"	10.0		97.1	70-130				
Styrene	8.38		"	10.0		83.8	70-130				
Tetrachloroethylene	9.57		"	10.0		95.7	70-130				
Tetrahydrofuran	9.82		"	10.0		98.2	70-130				
Toluene	8.36		"	10.0		83.6	70-130				
trans-1,2-Dichloroethylene	9.88		"	10.0		98.8	70-130				
trans-1,3-Dichloropropylene	8.57		"	10.0		85.7	70-130				
Trichloroethylene	7.81		"	10.0		78.1	70-130				
Trichlorofluoromethane (Freon 11)	8.93		"	10.0		89.3	70-130				
Vinyl acetate	7.36		"	10.0		73.6	70-130				
Vinyl bromide	11.5		"	10.0		115	70-130				
Vinyl Chloride	9.71		"	10.0		97.1	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21874 - EPA TO15 PREP											
Duplicate (BC21874-DUP1)	*Source sample: 22C0120-03 (EW-5 EFF)								Prepared: 03/08/2022 Analyzed: 03/09/2022		
1,1,1,2-Tetrachloroethane	ND	3.9	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	3.1	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	3.9	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	4.3	"		ND					25	
1,1,2-Trichloroethane	ND	3.1	"		ND					25	
1,1-Dichloroethane	ND	2.3	"		ND					25	
1,1-Dichloroethylene	ND	0.56	"		ND					25	
1,2,4-Trichlorobenzene	ND	4.2	"		ND					25	
1,2,4-Trimethylbenzene	ND	2.8	"		ND					25	
1,2-Dibromoethane	ND	4.3	"		ND					25	
1,2-Dichlorobenzene	ND	3.4	"		ND					25	
1,2-Dichloroethane	ND	2.3	"		ND					25	
1,2-Dichloropropane	ND	2.6	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	3.9	"		ND					25	
1,3,5-Trimethylbenzene	ND	2.8	"		ND					25	
1,3-Butadiene	ND	3.7	"		ND					25	
1,3-Dichlorobenzene	ND	3.4	"		ND					25	
1,3-Dichloropropane	ND	2.6	"		ND					25	
1,4-Dichlorobenzene	ND	3.4	"		ND					25	
1,4-Dioxane	ND	4.1	"		ND					25	
2-Butanone	ND	1.7	"		ND					25	
2-Hexanone	ND	4.6	"		ND					25	
3-Chloropropene	ND	8.8	"		ND					25	
4-Methyl-2-pentanone	ND	2.3	"		ND					25	
Acetone	1.9	2.7	"		2.0				6.90	25	
Acrylonitrile	ND	1.2	"		ND					25	
Benzene	ND	1.8	"		ND					25	
Benzyl chloride	ND	2.9	"		ND					25	
Bromodichloromethane	ND	3.8	"		ND					25	
Bromoform	ND	5.8	"		ND					25	
Bromomethane	ND	2.2	"		ND					25	
Carbon disulfide	ND	1.8	"		ND					25	
Carbon tetrachloride	ND	0.88	"		ND					25	
Chlorobenzene	ND	2.6	"		ND					25	
Chloroethane	ND	1.5	"		ND					25	
Chloroform	ND	2.7	"		ND					25	
Chloromethane	ND	1.2	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.56	"		ND					25	
cis-1,3-Dichloropropylene	ND	2.6	"		ND					25	
Cyclohexane	ND	1.9	"		ND					25	
Dibromochloromethane	ND	4.8	"		ND					25	
Dichlorodifluoromethane	ND	2.8	"		ND					25	
Ethyl acetate	ND	4.1	"		ND					25	
Ethyl Benzene	4.6	2.4	"		4.6				0.00	25	
Hexachlorobutadiene	ND	6.0	"		ND					25	
Isopropanol	4.1	2.8	"		4.4				6.45	25	
Methyl Methacrylate	ND	2.3	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	2.0	"		ND					25	
Methylene chloride	ND	3.9	"		ND					25	
n-Heptane	ND	2.3	"		ND					25	

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21874 - EPA TO15 PREP											
Duplicate (BC21874-DUP1)	*Source sample: 22C0120-03 (EW-5 EFF)								Prepared: 03/08/2022 Analyzed: 03/09/2022		
n-Hexane	ND	2.0	ug/m³		ND					25	
o-Xylene	4.1	2.4	"		4.1				0.00	25	
p- & m- Xylenes	20	4.9	"		20				2.41	25	
p-Ethyltoluene	ND	2.8	"		ND					25	
Propylene	ND	0.97	"		ND					25	
Styrene	ND	2.4	"		ND					25	
Tetrachloroethylene	1400	3.8	"		1400				1.10	25	
Tetrahydrofuran	ND	3.3	"		ND					25	
Toluene	ND	2.1	"		ND					25	
trans-1,2-Dichloroethylene	ND	2.2	"		ND					25	
trans-1,3-Dichloropropylene	ND	2.6	"		ND					25	
Trichloroethylene	0.91	0.76	"		0.91				0.00	25	
Trichlorofluoromethane (Freon 11)	21	3.2	"		22				2.94	25	
Vinyl acetate	ND	2.0	"		ND					25	
Vinyl bromide	ND	2.5	"		ND					25	
Vinyl Chloride	ND	0.72	"		ND					25	

Sample and Data Qualifiers Relating to This Work Order

TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
TO-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

York Analytical Laboratories, Inc.
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132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record - AIR

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 22C0120

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: DT Consulting Services INC	Company: Same	Company: Same		RUSH - Next Day
Address:	Address:	Address:		RUSH - Two Day
Phone.:	Phone.:	Phone.:	YOUR Project Name: 200 East Main LLC C360183	RUSH - Three Day
Contact: Deborah Thompson	Contact:	Contact:		RUSH - Four Day
E-mail:	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Deborah Thompson
Samples Collected by: (print your name above and sign below)
Deborah Thompson

Air Matrix Codes
- AI - Indoor Ambient Air
- AO - Outdoor Amb. Air
- AE - Vapor Extraction Well/ Process Gas/Effluent
- AS - Soil Vapor/Sub-Slab

Samples From
- New York X
- New Jersey
- Connecticut
- Pennsylvania
- Other

Report / EDD Type (circle selections)
- Summary Report
- QA Report
- NY ASP A Package
- NY ASP B Package
- Other:
- CT RCP
- CT RCP DQA/DUE
- NJDEP Reduced Deliv.
- NJDKQP
- Standard Excel EDD
- EQuIS (Standard)
- NYSDEC EQuIS
- NJDEP SRP HazSite

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ✓

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ✓ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
EW-7 EFF	3/1/22 0945AM	AE	30	4	28857		TO-15
EW-3 EFF	1052			4	23796		
EW-5 EFF	1159			5	10042		
EW-6 EFF	1:36 pm			4	41840		
EW-7 EFF	2:45 pm			4	28844		
EW-8 EFF	3:50 pm			6	28317		
EW-9 EFF	5:05 pm			4	18294		

Comments:

Detection Limits Required
≤ 1 ug/m³ ___ NYSDEC V1 Limits ✓
Routine Survey ___ Other ___

Sampling Media
6 Liter Canister ✓
Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Deborah Thompson	3/2/22 9:50	Client York	3-2-22 9:50	Client York	3-2-22 1515
Client/York	3/2/22 1515	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
KBabyak	3/4/22 7AM	Queens Service Center	3/4/22 7AM	Arlene A Schork	3/4/22 10:30

Technical Report

prepared for:

DT Consulting Services
1291 Old Post Road
Ulster Park NY, 12487
Attention: Deborah Thompson

Report Date: 03/11/2022
Client Project ID: 200 E. Main St., Mt. Kisko, NY
York Project (SDG) No.: 22C0320

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 03/11/2022
Client Project ID: 200 E. Main St., Mt. Kisko, NY
York Project (SDG) No.: 22C0320

DT Consulting Services
1291 Old Post Road
Ulster Park NY, 12487
Attention: Deborah Thompson

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 04, 2022 and listed below. The project was identified as your project: **200 E. Main St., Mt. Kisko, NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22C0320-01	EW-10 EFF	Soil Vapor	03/04/2022	03/04/2022

General Notes for York Project (SDG) No.: 22C0320

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: Cassie L. Mosher **Date:** 03/11/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **EW-10 EFF** **York Sample ID:** **22C0320-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0320	200 E. Main St., Mt. Kisko, NY	Soil Vapor	March 4, 2022 8:30 am	03/04/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.3	1.824	EPA TO-15 Certifications:	03/09/2022 12:00	03/10/2022 06:01	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.0	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.3	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.4	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.0	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.74	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.18	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.4	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.90	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.4	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.1	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.74	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.84	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.3	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.90	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
106-99-0	1,3-Butadiene	ND		ug/m³	1.2	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.1	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.84	1.824	EPA TO-15 Certifications:	03/09/2022 12:00	03/10/2022 06:01	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.1	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
123-91-1	1,4-Dioxane	ND		ug/m³	1.3	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
78-93-3	**2-Butanone**	**1.3**		ug/m³	0.54	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
591-78-6	* 2-Hexanone	ND		ug/m³	1.5	1.824	EPA TO-15 Certifications:	03/09/2022 12:00	03/10/2022 06:01	AS

Sample Information

Client Sample ID: **EW-10 EFF** **York Sample ID:** **22C0320-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0320	200 E. Main St., Mt. Kisko, NY	Soil Vapor	March 4, 2022 8:30 am	03/04/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	2.9	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.75	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
67-64-1	**Acetone**	**28**		ug/m³	0.87	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
107-13-1	Acrylonitrile	ND		ug/m³	0.40	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
71-43-2	Benzene	ND		ug/m³	0.58	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
100-44-7	Benzyl chloride	ND		ug/m³	0.94	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
75-27-4	Bromodichloromethane	ND		ug/m³	1.2	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
75-25-2	Bromoform	ND		ug/m³	1.9	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
74-83-9	Bromomethane	ND		ug/m³	0.71	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
75-15-0	Carbon disulfide	ND		ug/m³	0.57	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
56-23-5	**Carbon tetrachloride**	**0.34**		ug/m³	0.29	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
108-90-7	Chlorobenzene	ND		ug/m³	0.84	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
75-00-3	Chloroethane	ND		ug/m³	0.48	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
67-66-3	Chloroform	ND		ug/m³	0.89	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
74-87-3	**Chloromethane**	**1.1**		ug/m³	0.38	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.18	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.83	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
110-82-7	Cyclohexane	ND		ug/m³	0.63	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
124-48-1	Dibromochloromethane	ND		ug/m³	1.6	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
75-71-8	**Dichlorodifluoromethane**	**2.1**		ug/m³	0.90	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
141-78-6	* Ethyl acetate	ND		ug/m³	1.3	1.824	EPA TO-15 Certifications:	03/09/2022 12:00	03/10/2022 06:01	AS
100-41-4	**Ethyl Benzene**	**7.1**		ug/m³	0.79	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.9	1.824	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2022 12:00	03/10/2022 06:01	AS

Sample Information

Client Sample ID: **EW-10 EFF** **York Sample ID:** **22C0320-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22C0320	200 E. Main St., Mt. Kisko, NY	Soil Vapor	March 4, 2022 8:30 am	03/04/2022

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	**Isopropanol**	**52**		ug/m³	0.90	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.75	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.66	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**1.3**		ug/m³	1.3	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	n-Heptane	ND		ug/m³	0.75	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	n-Hexane	ND		ug/m³	0.64	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**7.0**		ug/m³	0.79	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**30**		ug/m³	1.6	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.90	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.31	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:			
100-42-5	**Styrene**	**0.93**		ug/m³	0.78	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**350**		ug/m³	1.2	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	*** Tetrahydrofuran**	**1.4**		ug/m³	1.1	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:			
108-88-3	**Toluene**	**1.2**		ug/m³	0.69	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.72	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.83	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	**Trichloroethylene**	**0.29**		ug/m³	0.25	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**13**		ug/m³	1.0	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.64	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.80	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.23	1.824	EPA TO-15	03/09/2022 12:00	03/10/2022 06:01	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Analytical Batch Summary

Batch ID: BC21875 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
22C0320-01	EW-10 EFF	03/09/22
BC21875-BLK1	Blank	03/09/22
BC21875-BS1	LCS	03/09/22
BC21875-DUP1	Duplicate	03/09/22

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21875 - EPA TO15 PREP											
Blank (BC21875-BLK1)											Prepared & Analyzed: 03/09/2022
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21875 - EPA TO15 PREP											
Blank (BC21875-BLK1)											Prepared & Analyzed: 03/09/2022
n-Heptane	ND	0.41	ug/m³								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								
LCS (BC21875-BS1)											Prepared & Analyzed: 03/09/2022
1,1,1,2-Tetrachloroethane	9.94		ppbv	10.0		99.4	70-130				
1,1,1-Trichloroethane	10.2		"	10.0		102	70-130				
1,1,2,2-Tetrachloroethane	9.84		"	10.0		98.4	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.91		"	10.0		99.1	70-130				
1,1,2-Trichloroethane	9.85		"	10.0		98.5	70-130				
1,1-Dichloroethane	9.64		"	10.0		96.4	70-130				
1,1-Dichloroethylene	9.46		"	10.0		94.6	70-130				
1,2,4-Trichlorobenzene	8.63		"	10.0		86.3	70-130				
1,2,4-Trimethylbenzene	9.99		"	10.0		99.9	70-130				
1,2-Dibromoethane	9.57		"	10.0		95.7	70-130				
1,2-Dichlorobenzene	10.5		"	10.0		105	70-130				
1,2-Dichloroethane	9.70		"	10.0		97.0	70-130				
1,2-Dichloropropane	9.39		"	10.0		93.9	70-130				
1,2-Dichlorotetrafluoroethane	8.55		"	10.0		85.5	70-130				
1,3,5-Trimethylbenzene	9.88		"	10.0		98.8	70-130				
1,3-Butadiene	7.97		"	10.0		79.7	70-130				
1,3-Dichlorobenzene	10.7		"	10.0		107	70-130				
1,3-Dichloropropane	9.40		"	10.0		94.0	70-130				
1,4-Dichlorobenzene	8.28		"	10.0		82.8	70-130				
1,4-Dioxane	8.88		"	10.0		88.8	70-130				
2-Butanone	9.14		"	10.0		91.4	70-130				
2-Hexanone	9.04		"	10.0		90.4	70-130				
3-Chloropropene	9.82		"	10.0		98.2	70-130				
4-Methyl-2-pentanone	8.59		"	10.0		85.9	70-130				
Acetone	7.37		"	10.0		73.7	70-130				
Acrylonitrile	9.69		"	10.0		96.9	70-130				
Benzene	9.72		"	10.0		97.2	70-130				
Benzyl chloride	7.82		"	10.0		78.2	70-130				
Bromodichloromethane	9.63		"	10.0		96.3	70-130				
Bromoform	10.8		"	10.0		108	70-130				
Bromomethane	9.59		"	10.0		95.9	70-130				
Carbon disulfide	9.69		"	10.0		96.9	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21875 - EPA TO15 PREP											
LCS (BC21875-BS1)								Prepared & Analyzed: 03/09/2022			
Carbon tetrachloride	10.3		ppbv	10.0		103	70-130				
Chlorobenzene	9.43		"	10.0		94.3	70-130				
Chloroethane	9.90		"	10.0		99.0	70-130				
Chloroform	9.99		"	10.0		99.9	70-130				
Chloromethane	7.71		"	10.0		77.1	70-130				
cis-1,2-Dichloroethylene	8.89		"	10.0		88.9	70-130				
cis-1,3-Dichloropropylene	9.68		"	10.0		96.8	70-130				
Cyclohexane	9.92		"	10.0		99.2	70-130				
Dibromochloromethane	9.88		"	10.0		98.8	70-130				
Dichlorodifluoromethane	10.3		"	10.0		103	70-130				
Ethyl acetate	9.41		"	10.0		94.1	70-130				
Ethyl Benzene	9.33		"	10.0		93.3	70-130				
Hexachlorobutadiene	10.7		"	10.0		107	70-130				
Isopropanol	8.61		"	10.0		86.1	70-130				
Methyl Methacrylate	9.56		"	10.0		95.6	70-130				
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	70-130				
Methylene chloride	8.82		"	10.0		88.2	70-130				
n-Heptane	9.86		"	10.0		98.6	70-130				
n-Hexane	9.97		"	10.0		99.7	70-130				
o-Xylene	9.87		"	10.0		98.7	70-130				
p- & m- Xylenes	20.1		"	20.0		100	70-130				
p-Ethyltoluene	10.2		"	10.0		102	70-130				
Propylene	9.46		"	10.0		94.6	70-130				
Styrene	10.5		"	10.0		105	70-130				
Tetrachloroethylene	9.52		"	10.0		95.2	70-130				
Tetrahydrofuran	9.36		"	10.0		93.6	70-130				
Toluene	9.26		"	10.0		92.6	70-130				
trans-1,2-Dichloroethylene	10.0		"	10.0		100	70-130				
trans-1,3-Dichloropropylene	9.74		"	10.0		97.4	70-130				
Trichloroethylene	9.22		"	10.0		92.2	70-130				
Trichlorofluoromethane (Freon 11)	9.98		"	10.0		99.8	70-130				
Vinyl acetate	8.76		"	10.0		87.6	70-130				
Vinyl bromide	10.0		"	10.0		100	70-130				
Vinyl Chloride	7.12		"	10.0		71.2	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21875 - EPA TO15 PREP											
Duplicate (BC21875-DUP1)	*Source sample: 22C0315-01 (Duplicate)								Prepared: 03/09/2022 Analyzed: 03/10/2022		
1,1,1,2-Tetrachloroethane	ND	1.0	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	0.83	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.0	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.2	"		ND					25	
1,1,2-Trichloroethane	ND	0.83	"		ND					25	
1,1-Dichloroethane	ND	0.61	"		ND					25	
1,1-Dichloroethylene	ND	0.15	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.1	"		ND					25	
1,2,4-Trimethylbenzene	0.60	0.75	"		0.60				0.00	25	
1,2-Dibromoethane	ND	1.2	"		ND					25	
1,2-Dichlorobenzene	ND	0.91	"		ND					25	
1,2-Dichloroethane	ND	0.61	"		ND					25	
1,2-Dichloropropane	ND	0.70	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.1	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.75	"		ND					25	
1,3-Butadiene	ND	1.0	"		ND					25	
1,3-Dichlorobenzene	ND	0.91	"		ND					25	
1,3-Dichloropropane	ND	0.70	"		ND					25	
1,4-Dichlorobenzene	ND	0.91	"		ND					25	
1,4-Dioxane	ND	1.1	"		ND					25	
2-Butanone	1.1	0.45	"		1.0				8.33	25	
2-Hexanone	ND	1.2	"		ND					25	
3-Chloropropene	ND	2.4	"		ND					25	
4-Methyl-2-pentanone	ND	0.62	"		ND					25	
Acetone	19	0.72	"		17				10.2	25	
Acrylonitrile	ND	0.33	"		ND					25	
Benzene	0.63	0.48	"		0.58				8.00	25	
Benzyl chloride	ND	0.79	"		ND					25	
Bromodichloromethane	ND	1.0	"		ND					25	
Bromoform	ND	1.6	"		ND					25	
Bromomethane	ND	0.59	"		ND					25	
Carbon disulfide	ND	0.47	"		ND					25	
Carbon tetrachloride	0.38	0.24	"		0.38				0.00	25	
Chlorobenzene	ND	0.70	"		ND					25	
Chloroethane	ND	0.40	"		ND					25	
Chloroform	ND	0.74	"		ND					25	
Chloromethane	1.3	0.31	"		1.1				10.5	25	
cis-1,2-Dichloroethylene	ND	0.15	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.69	"		ND					25	
Cyclohexane	ND	0.52	"		ND					25	
Dibromochloromethane	ND	1.3	"		ND					25	
Dichlorodifluoromethane	2.3	0.75	"		2.3				3.28	25	
Ethyl acetate	ND	1.1	"		ND					25	
Ethyl Benzene	ND	0.66	"		ND					25	
Hexachlorobutadiene	ND	1.6	"		ND					25	
Isopropanol	2.5	0.75	"		2.1				18.2	25	
Methyl Methacrylate	ND	0.62	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.55	"		ND					25	
Methylene chloride	2.6	1.1	"		2.7				1.98	25	
n-Heptane	0.44	0.62	"		0.37				15.4	25	

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21875 - EPA TO15 PREP											
Duplicate (BC21875-DUP1)	*Source sample: 22C0315-01 (Duplicate)								Prepared: 03/09/2022 Analyzed: 03/10/2022		
n-Hexane	ND	0.53	ug/m³		ND					25	
o-Xylene	0.40	0.66	"		0.33				18.2	25	
p- & m- Xylenes	0.99	1.3	"		ND					25	
p-Ethyltoluene	ND	0.75	"		ND					25	
Propylene	ND	0.26	"		ND					25	
Styrene	ND	0.65	"		ND					25	
Tetrachloroethylene	8.1	1.0	"		8.5				4.94	25	
Tetrahydrofuran	8.1	0.89	"		8.5				4.83	25	
Toluene	1.4	0.57	"		1.3				8.70	25	
trans-1,2-Dichloroethylene	ND	0.60	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.69	"		ND					25	
Trichloroethylene	48	0.20	"		51				4.44	25	
Trichlorofluoromethane (Freon 11)	1.2	0.85	"		1.2				0.00	25	
Vinyl acetate	ND	0.53	"		ND					25	
Vinyl bromide	ND	0.66	"		ND					25	
Vinyl Chloride	ND	0.19	"		ND					25	

Sample and Data Qualifiers Relating to This Work Order

ICV-E The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).

Definitions and Other Explanations

* Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.

ND NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

LOQ LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.

LOD LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.

MDL METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.

Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

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clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record - AIR

YORK Project No. 22C0320

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: DT Consulting	Company:	Company:		RUSH - Next Day
Address: 1210 Oldpost Rd. Ulster Park NY	Address: SAME	Address: SAME		RUSH - Two Day
Phone.:	Phone.:	Phone.:	YOUR Project Name: 200 E Main St. Mt. Kisco, NY	RUSH - Three Day
Contact: Deb Thompson	Contact:	Contact:		RUSH - Four Day
E-mail:	E-mail:	E-mail:		Standard (5-7 Day) X
			YOUR PO#:	

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below) Daniel Bellucci

Air Matrix Codes
AI - Indoor Ambient Air
AO - Outdoor Amb. Air
AE - Vapor Extraction Well/ Process Gas/Effluent
AS - Soil Vapor/Sub-Slab

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)
Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliv. | NYSDEC EQuIS
NY ASP B Package | NJDKQP | NJDEP SRP HazSite
Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ X ppbv X ppmv X

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
EW-10 EFF	3/4/22 8:30	AS	-30	-4	18302	N/A	TO-15

Comments:

Detection Limits Required
≤ 1 ug/m³ ___ NYSDEC V1 Limits ___
Routine Survey ___ Other ___

Sampling Media
6 Liter Canister X
Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Daniel Bellucci	3/4/22 12:20	Chris C York	3-4-22 12:20	Chris C York	3-4-22 1423
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
C Mahler / YORK	3/4/22 1423			K Bach York	3/4/22 8PM
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
K Bach York	3/7/22 7AM	Queens Sample Room	3/7/22 7AM	Adenny Cerrito	03/08/22 11:56

APPENDIX E
AERSCREEN MODEL DATA INPUTS

Max 1-Hour Concentration [µg/m³]	Distance [m]	Elevation [m]	Season/ Month	Surface Roughness Sector Number	Date	Heat Flux [W/m²]	Friction Velocity [m/s]	Convective Velocity [m/s]	Lapse Rate [K/m]	Convective Mixing Height [m]	Mechanical Mixing Height [m]	Monin-Obukhov Length [m]	Surface Roughness Length [m]	Bowen Ratio	Albedo	Wind Speed [m/s]	Anemometer Height [m]	Temperature [°K]	Height of Temperature [m]
PCE - Combined Units 2, 3 and 4																			
8.80E-06	1	0	Summer	0-360	10021812	330.06	0.193	1.8	0.02	673	195	-2.1	1	2	0.16	0.5	10	310	2
2.26E+00	7	0	Winter	0-360	10021501	-1.67	0.159	-9	0.02	-999	145	227.7	1	1.5	0.35	1	10	310	2
6.90E-01	25	0	Winter	0-360	10011201	-1.3	0.043	-9	0.02	-999	208	6	1	1.5	0.35	0.5	10	310	2
TCE - Combined Units 2, 3 and 4																			
9.76E-09	1	0	Summer	0-360	10021812	330.06	0.193	1.8	0.02	673	195	-2.1	1	2	0.16	0.5	10	310	2
2.51E-03	7	0	Winter	0-360	10021501	-1.67	0.159	-9	0.02	-999	145	227.7	1	1.5	0.35	1	10	310	2
7.65E-04	25	0	Winter	0-360	10011201	-1.3	0.043	-9	0.02	-999	208	6	1	1.5	0.35	0.5	10	310	2
PCE - Unit 2																			
1.81E-13	1	0	Summer	0-360	10021812	330.06	0.193	1.8	0.02	673	195	-2.1	1	2	0.16	0.5	10	310	2
3.94E-01	17	0	Winter	0-360	10011701	-0.41	0.043	-9	0.02	-999	104	19.3	1	1.5	0.35	0.5	10	310	2
3.22E-01	25	0	Winter	0-360	10011701	-0.41	0.043	-9	0.02	-999	104	19.3	1	1.5	0.35	0.5	10	310	2
TCE - Unit 2																			
1.94E-16	1	0	Summer	0-360	10021812	330.06	0.193	1.8	0.02	673	195	-2.1	1	2	0.16	0.5	10	310	2
4.21E-04	17	0	Winter	0-360	10011701	-0.41	0.043	-9	0.02	-999	104	19.3	1	1.5	0.35	0.5	10	310	2
3.44E-04	25	0	Winter	0-360	10011701	-0.41	0.043	-9	0.02	-999	104	19.3	1	1.5	0.35	0.5	10	310	2
PCE - Unit 3																			
1.45E-06	1	0	Spring	0-360	10021112	297.1	0.196	1.8	0.02	603	200	-2	1	1	0.14	0.5	10	250	2
3.61E-01	7	0	Winter	0-360	10021501	-1.67	0.159	-9	0.02	-999	145	227.7	1	1.5	0.35	1	10	310	2
1.10E-01	25	0	Winter	0-360	10011201	-1.3	0.043	-9	0.02	-999	208	6	1	1.5	0.35	0.5	10	310	2
TCE - Unit 3																			
2.16E-09	1	0	Spring	0-360	10021112	297.1	0.196	1.8	0.02	603	200	-2	1	1	0.14	0.5	10	250	2
5.40E-04	7	0	Winter	0-360	10021501	-1.67	0.159	-9	0.02	-999	145	227.7	1	1.5	0.35	1	10	310	2
1.65E-04	25	0	Winter	0-360	10011201	-1.3	0.043	-9	0.02	-999	208	6	1	1.5	0.35	0.5	10	310	2
PCE - Unit 4																			
2.10E-06	1	0	Spring	0-360	10021112	297.1	0.196	1.8	0.02	603	200	-2	1	1	0.14	0.5	10	250	2
3.26E-01	7	0	Winter	0-360	10021501	-1.67	0.159	-9	0.02	-999	145	227.7	1	1.5	0.35	1	10	310	2
9.94E-02	25	0	Winter	0-360	10011201	-1.3	0.043	-9	0.02	-999	208	6	1	1.5	0.35	0.5	10	310	2
TCE - Unit 4																			
1.94E-09	1	0	Spring	0-360	10021112	297.1	0.196	1.8	0.02	603	200	-2	1	1	0.14	0.5	10	250	2
3.01E-04	7	0	Winter	0-360	10021501	-1.67	0.159	-9	0.02	-999	145	227.7	1	1.5	0.35	1	10	310	2
9.19E-05	25	0	Winter	0-360	10011201	-1.3	0.043	-9	0.02	-999	208	6	1	1.5	0.35	0.5	10	310	2

6.0 SSDS INSTALLATION SUPPORT ACTIVITIES

6.1 COMMUNITY AIR MONITORING PLAN

A site-specific Community Air Monitoring Plan (CAMP) has been prepared for the Site and has been placed in **Appendix B**. This document will be employed during all ground intrusive indoor Site activities. It should be noted that the proposed design includes minimal sub-grade excavation. All concrete disturbance activities will include the use of wet concrete cutting methods.

6.2 HEALTH & SAFETY PLAN

A Site and contaminant specific Health and Safety Plan (HASP) has been prepared for the Site and is included as **Appendix C**. Field personnel will be outfitted in the appropriate health and safety equipment (i.e., nitrile gloves, level D personal protective equipment) and be educated on Site-specific hazards.

6.3 TENANT COMMUNICATION

Prior to system installation, each of the ground floor tenants will be notified. Work within occupied Unit #'s 3 and 4 will be conducted during non-working hours to minimize disturbance to the tenant's business operations. After installation of the SSD system, an information package will be prepared and provided to the tenants. The information package will provide a description of the SSDS, a summary of the proposed testing, operation and maintenance of the SSDS, how the tenant can confirm the system is operating properly, and contact information in case of system failure or other questions. A copy of the tenant information package will be submitted to NYSDEC and NYSDOH and will be memorialized in the Construction Completion Report (CCR).

6.4 WASTE HANDLING

All investigation/installation-derived waste (IDW) will be contained on-Site in a secure area for appropriate characterization and disposal. Soil, personal protective equipment, and spent disposable sampling materials will be segregated by waste type and placed in DOT-approved 55-gallon steel drums. Waste construction materials such as scrap PVC pipe will be discarded in appropriate containers as general construction waste. All decontamination water will be stored in 55-gallon drums as necessary. Field staff will maintain an inventory of all waste storage vessels. All storage vessels will be appropriately labeled with the contents, generator, location, and date.

7.0 REPORTING

A CCR will be prepared and submitted to NYSDEC and NYSDOH following installation and startup of the SSDS. The report will include a summary of the first month of testing, operation and maintenance. The CCR will include a description of the SSDS as constructed, modifications to the system design, the data collected, and record drawings. The CCR will be stamped, certified and signed by a New York State licensed professional engineer.